COMMITTEE: University Curriculum Committee (2:00 pm - 5:00pm)

MEETING DATE: February 9, 2012

PERSON PRESIDING: Donna Kain

REGULAR MEMBERS IN ATTENDANCE: Reece Allen, Leigh Cellucci, Kanchan Das, Ron Graziani, Annette Greer, Donna Kain, and Angela Whitehurst

EX-OFFICIO MEMBERS IN ATTENDANCE: Derek Alderman, Linner Griffin, Megan Perry, and Ron Preston

EXCUSED: SGA representative

ABSENT: None

SUPPORT: Kimberly Nicholson

OTHERS IN ATTENDANCE:
- College of Allied Health Sciences: Paul Bell and Michael Kennedy
- College of Fine Arts and Communication: Jill M. Carlson and Tommi Galaska
- Thomas Harriot College of Arts and Sciences: Heather Ries, Cathy Wilkerson, and Johannes Hattingh

______________________________

ACTIONS OF MEETING

Agenda Item: I. Call to Order

(1.) Minutes
The 01-26-12 UCC minutes had been distributed via e-mail for an electronic vote. After approval, they were approved were then forwarded to the Faculty Senate for agenda placement.

(2.) Announcements

Dr. Griffin announced that the UNC-GA was discussing what should be the appropriate length of time for new program approval. The Board of Governors is considering the recommendation today. She will report its decision at the next meeting regarding whether program approval must occur within four (4) months or with a minimum of four (4) months. ECU requested (4) months as the minimum, as our current on campus process is difficult if not impossible to complete in (4) months.

Dr. Preston introduced for discussion that he would like the Chair of UCC to announce, at the beginning of each meeting, any actions the Chancellor approved that would affect UCC Consensus was achieved among UCC committee members.
Agenda Item: II. Thomas Harriot College of Arts and Sciences, Department of Mathematics

(1.) Revision of Existing Course: MATH 1065

Discussion:

Dr. Wilkerson explained that other schools (such as Georgia State and LSU) have remodeled their college algebra course, which requires set course attendance and weekly lab attendance. Attendance is a priority in this new design for the course. She also noted that a section had been piloted at ECU last semester (Fall 2011). Dr. Hattingh stated that assessment will be done and that the department would like to work with math education, as there is a research opportunity here. He shared that there is a national movement to this type of model in mathematics and other subjects.

Dr. Das said that the objectives are to improve student success, reduce faculty teaching in class responsibilities, and utilizing GAs. However, he questioned if this change really does save faculty time? Are they increasing the number of GAs? Dr. Hattingh said that the scheduling of one hour sections, instead of faculty teaching four sections, will reduce their teaching in class responsibilities. There will be eight sections with coordinators planning the class and grading the results. Dr. Hattingh said that the lab can be staffed by GAs and undergraduate assistants who qualify to be in the lab. Six masters students and undergraduate students will cover the labs.

Dr. Allen asked about the budget. Dr. Hattingh explained that about $5800.00 is delegated for the undergraduate assistants. The student assistants are the undergraduates. The graduate students work on a stipend and work a set number of hours per week. Also, work study students will be helping in the lab. Dr. Greer mentioned that this policy for undergraduate assistants is changing, and they will be paid on a stipend, complete with a contract.

Dr. Alderman asked about the course proposal justification. He recommended that the fact that the course proposal was approved by the faculty be included in the justification. Moreover, he recommended that they include that the external review led the faculty to propose this change.

Dr. Alderman also asked about the revised course description. He recommended that they add, within the course description, a discussion about the uniqueness of the course description regarding the attendance requirement. Dr. Preston recommended that they clarify with something like “One hour lecture and three hour lab.” Dr. Hattingh replied with the language, “One hour of lecture plus three house of active learning in the lab.” Dr. Griffin said this could be placed before the prerequisite statement.
Dr. Preston asked about the SAT scores. He asked if the ACT was also included. Dr. Greer and Dr. Alderman recommended that the language read “math standardized test” or “math national standardized test.” Or, the phrase “SAT/ACT scores” should be included.

Dr. Preston asked about the on-line courses. Dr. Hattingh replied that proctoring sites would administer tests, and the course will be administered with the same requirements as the face to face students.

Dr. Alderman asked about the requirement that students must attend the first day of classes. Dr. Wilkerson said that communications will be sent out to the students that specify this requirement through orientation session, flash drive link, and e-mails to registered students two days prior to the first day of class. Dr. Hattingh stated with time the course will build a reputation and students will respond by attending the first day of class.

Dr. Greer asked about the on-line students. They will access the labs. How will they access support via on-line labs. Dr. Hattingh said that there were supports built into videos and other software to help the students actively learn. Dr. Greer replied that there should be a mechanism for on-line students to contact lab assistants. Ms. Whitehurst said that SACS said that on-line students must have access to the same assistance provided to students on campus. Dr. Kain said that they would need a plan for this. Dr. Greer recommended they investigate Centra as an option for the lab assistants. Dr. Allen recommended that one of the lab assistants have Skype or Centra or sending the instructor of record an e-mail. Dr. Das said that Centra can use “math lab.” Dr. Hattingh stated these items will be addressed, however it is the intent of the model for students to physically attend the lab sessions.

Dr. Allen asked what the text “students not regularly attending the weekly class meeting and lab will be dropped” in the course description meant. Could they clarify how many classes a student can miss prior to being dropped from the class? Dr. Wilkerson said that this referred to this first day of class. Dr. Allen said that the course description needs to be clarified to state that it is the first day of class. Dr. Kain recommended language such as, “Students not attending the first day of class will be dropped.”

Dr. Allen asked about the course objectives. Dr. Griffin recommended they include the phrase, “Upon completion of this course, the students will be able to . . . “ She recommended removing the lead in words in each sentence and beginning with the listed verbs.

Dr. Allen also recommended that the language in the syllabus not be gender biased.

Dr. Kain reminded them that the catalog copy must match course description.

Action Taken:

Dr. Alderman moved that the proposal be approved as amended. Ms. Whitehurst seconded. Motion passed.
Agenda Item: III. College of Allied Health Sciences, Department of Health Services and Information Management

(1.) Proposal of New Courses: HSMA 3040, 3045, 3115, 4060, 4065

Discussion:

Drs. Paul Bell and Michael Kennedy presented. Dr. Kennedy elaborated the revision to the proposal to respond to AUPHA certification

Dr. Perry asked if the BioStats 5000 level course could be used instead of this new course. Dr. Kain explained that since this will be a required course, no undergraduate could be required to take a 5000 level course.

Dr. Allen reminded them that the statement that the faculty reviewed and approved the proposal be included for all proposals.

Dr. Allen asked if the prerequisite is HSMA or HIMA. They are different in the course description and catalog.

Dr. Perry reminded them to check the technology mediated box for each individual proposal.

Dr. Allen reminded them that the course description must match the catalog copy.

Dr. Griffin asked about the course objectives for 3045. On objective #4, she asked how would we measure appreciate . . . Dr. Bell said that the word, “evaluate” could be used.

Dr. Allen said that the total credit hours needs to be completed for 3045.

Dr. Perry said that for all the proposals, the semester is included (fall or spring). She recommended that they take out the designated semester in case the term may change in the future, unless they have a defined sequence. Dr. Kennedy replied that the sequence is defined and would like to keep the sequence.

Dr. Griffin asked about the objectives on 4060. The first one, “comprehend,” and she recommended replacing with “describe.”

Dr. Allen recommended generic substitutes regarding software instead of specific names.

Action Taken:
Dr. Allen moved that proposal be approved as amended. Dr. Greer seconded. Motion passed.

(2.) Editorial Revision of Departmental Text: Department of Health Services and Information Management

Discussion:

No discussion.

Action Taken:

Dr. Allen moved that proposal be approved. Dr. Greer seconded. Motion passed.

(3.) Revision of Existing Degree: BS in Health Services Management

Discussion:

Dr. Griffin and Dr. Kain identified that the #4. concentration areas s.h. range did not reflect the new health services management requirement of 6 s.h. Dr. Kain recommended removing the s.h. range in the concentration areas lead-in text and adding the 6 s.h. text to the health services management concentration section.

Action Taken:

Dr. Allen moved that proposal be approved as amended. Dr. Greer seconded. Motion passed.

(4.) Revision of Existing Degree: BS in Health Services Management

Discussion:

No discussion

Action Taken:

Dr. Allen moved that proposal be approved. Dr. Greer seconded. Motion passed.

__________________________________________________________________________

Agenda Item: IV. College of Fine Arts and Communication, School of Theatre and Dance
(1.) Unbanking and Revision of Existing Courses: DNCE 2053, 2063, 2073, 2083, 4033, 4043, 4053, 4063

Discussion:

Dr. Carlson presented the proposal. She stated that the courses have been offered, and full, for a long time as selected topics. The school also wanted the ability to run consecutive courses without any course repeatability related financial aid issues.

Ms. Whitehurst asked about DNCE 2053. She recommended that they include the statement that states that the faculty did vote and approve this proposal. This statement needs to be stated in all proposals. She asked why the courses are being unbanked beyond the “high demand.” Dr. Griffin clarified that the courses were in such a demand that they could sustain themselves and the assessment indicated this.

Dr. Kain noted that the inclusion of the fact that the faculty did vote and approve this proposal be included for all of the proposals.

Dr. Allen recommended that the course studio time contact hours be changed to reflect what they stated—it should be 3 hours per week for all courses. This should be noted for each course proposed.

It was recommended the unit remove the prerequisite statement in the syllabus section of the proposal form and replace this text with the course description identified in #6. This should be noted for each course proposed.

Dr. Preston reminded them to replace the word, “weeks” with “units” or “topics” to reflect that different semesters have differing numbers of weeks. This change needs to be completed for all course proposals.

Dr. Griffin noted that the objectives of the course should begin with, “Upon completion of the course, students will be able to . . .”

Dr. Kain recommended that they include a grade scale for the courses. This is to be included for each course proposed.

Dr. Das said that the objectives should include measurable verbs. Dr. Allen recommended the use of Bloom’s taxonomy as a guide. Measurable verbs, such as demonstrate, observe, assimilate, identify, or recognize, need to be included in the objectives. When they resubmit, Dr. Kain volunteered to look over the objectives.

Dr. Allen reminded them to include catalog copy and course description and that they must match.

Action Taken:
Dr. Allen moved that the proposal be approved as amended. Dr. Alderman seconded. Motion passed.

---

**Agenda Item: V. Old Business**

Dr. Preston passed around the “Catalog Cleaning Subcommittee” handout that offers recommendations to UCC regarding items 1, 2, and 3 of *Old Business* (see pg. 126 imported below). This document was used as a discussion starter and does not represent the final implementation plan.

(1.) 5000-level courses previously deleted from the graduate catalog

**Discussion:**

Dr. Kain reported that Faculty Senate approved the November 10, 2011 UCC minutes, to include the removal/deletion of 5000-level courses from the undergraduate catalog that have previously been deleted by the Graduate Curriculum Committee. It was noted that these graduate-level courses no longer exist and will be removed as a “clean up” issue. UCC will send a memo to units to inform them of this action.

**Action Taken:**

Dr. Allen moved that we request Diane Coltraine administratively remove the 5000-level courses that have been previously deleted by the Graduate Curriculum Committee from the undergraduate catalog. Ms. Whitehurst seconded. Motion passed.

(2.) Undergraduate banked courses process – report from subcommittee

**Discussion:**

Dr. Kain reported that banked undergraduate-level courses not taught in five (5) years will be deleted. UCC will be sending a memo to units, which states that banked undergraduate-level courses that have not been taught in five years will be deleted unless they respond that they would like to have the courses retained. The units have six weeks to respond before the course is deleted automatically. (See November 10, 2011 minutes, approved by the chancellor on January 12, 2012.)

Once the retention request submission window has closed, all of the courses identified as banked five or more years will be placed on the next available UCC agenda. The agenda will identify which courses will be deleted and which courses will be retained. Unit responses/requests will be linked to the agenda. The committee will then proceed with the final vote to delete and/or retain each set of courses.
An annual/institutionalized process addressing courses banked five or more years will be developed by the UCC at a later date.

**Action Taken:**

Dr. Graziani moved that UCC initiate the approved initial catalog cleanup action of notifying units of the intent to delete undergraduate courses banked 5 or more years. The memorandum to chairs will be direct them to submit requests for retention of any or all of the identified courses from their unit to the UCC via memorandum submission to the UCC mailbox ([cucsubmissions@ecu.edu](mailto:cucsubmissions@ecu.edu)) within six weeks. Dr. Alderman seconded. Motion passed.

(3.) Undergraduate courses not offered in 10+ years

**Discussion:**

Dr. Preston presented: (1) Active courses not taught in ten years. He noted that there were not a lot of courses not taught in ten years. Most of the courses (60 of the 74) had been taught for the last time in the 1997-2000 time frame.

Dr. Kain asked for recommendations regarding the courses that had not been taught in ten years. Dr. Graziani recommended that UCC notify department chairs of courses that have not been taught in ten years and to ask them to take action and inform UCC if they plan to delete these courses or not.

(2) Dr. Preston asked for recommendations regarding a set timeframe for UCC to review courses not taught in a set time period. Dr. Kain said that we will take this issue up again later in spring, following receiving responses from chairs regarding the memo.

**Action Taken:**

Dr. Graziani moved that UCC notify department chairs regarding courses that have not been taught in ten years. The chairs will be directed to notify UCC of departmental action to delete or keep these courses. Dr. Alderman seconded. Motion passed.

(4.) Writing a course justification tips to consider when revising the course justification text for proposal forms and manual

**Discussion:**

Dr. Kain wants to put course justification tips in the UCC manual. She asked for input into the final document (see pg. 127 imported below – *Writing a Course Justification*).
Action Taken:

Dr. Greer moved that UCC accept the proposal as amended and place it in the UCC manual. Dr. Allen seconded. Motion passed.

(5.) UCC manual changes and updates to consider when revising the 2011-2012 Undergraduate Curriculum and Program Development Manual

Discussion:

Dr. Kain said that she and Ms. Nicholson have been working on the UCC manual changes and updates. She asked the committee members to look over the changes to discuss at a later date.

Action Taken:

No action taken.

Agenda Item: VI. New Business

(1.) Draft of revised Undergraduate University Curriculum Committee Course Banking Form

Discussion:

Dr. Allen said that the form discusses banking, not the ‘unbanking’ of courses. Dr. Kain elaborated that clarity is the goal regarding the banking and unbanking of courses. The unbanking of courses requires the course proposal form.

Action Taken:

Dr. Allen moved that UCC delete the banking form and move to banking by memo. Dr. Alderman seconded. Dr. Greer amended that an explanation be included concerning how to bank a course be placed in the manual. Ms. Nicholson will incorporate banking/unbanking text, as outlined by the committee, into the manual. This new text will be reviewed by the committee under Old Business at the next UCC meeting. Dr. Perry accepted that as friendly amendment. Dr. Alderman accepted. Motion passed.

(2.) Create helpful hints document for certificates, concentrations, and program revision packages – form a subcommittee

Discussion:
Dr. Kain suggested that UCC create a subcommittee to create this document. Dr. Kain will meet with Dr. Griffin in order to get a better understanding of the academic program development process, as well as the processes involving concentrations and certificates. She will then meet with Dr. Allen to initiate the development of a draft document.

**Action Taken:**

No action taken.

(3.) **Review of Form to Discontinue a Certificate or Minor**

**Discussion:**

Dr. Kain wanted the UCC committee to know that this form is in use in Dr. Griffin’s office. It is for information only and will be submitted by units as a supplementary document only (not required).

**Action Taken:**

None taken.

(4.) **Identify Faculty Senate approval of Previous UCC Minutes Within Current UCC Minutes**

**Discussion:**

The question was raised if the chancellor’s approval of previous UCC minutes were identified anywhere in current UCC minutes. It was identified that this information is not currently included in the UCC minutes. The committee determined a preference to include the approval dates.

**Action Taken:**

The committee voted to include approval dates of previous sets of UCC minutes in current UCC minutes.

---

**Curricular Actions Reviewed at This Meeting:**

New Courses: 5
Revise/Re-numbered/Unbanked Courses (includes title/prereq./prefix): 9
New Degrees/Programs: 0
New Minors: 0
New Concentrations: 2
New Certificates: 0
Revised Existing Degrees/Concentrations/Departmental Text: 2
Deletion of Existing Degrees/Concentrations: 0
Revised Minors/Certificates: 0
Deletion of Existing Minors/Certificates: 0
Banked Courses: 0
Deletion of Existing /Banked Courses: 0

Curricular Actions Reviewed to Date (to include this meeting):
New Courses: 45
Revised/Renumbered/Unbanked Courses (includes title/prereq./prefix): 55
New Degrees/Programs: 1
New Minors: 0
New Concentrations: 2
New Certificates: 0
Revised Existing Degrees/Concentrations/Departmental Text: 14
Deletion of Existing Degrees/Concentrations: 1
Revised Minors/Certificates: 8
Deletion of Existing Minors/Certificates: 1
Banked Courses: 0
Deletion of Existing /Banked Courses: 14

NEXT MEETING: February 23, 2012

ITEMS TO BE DISCUSSED:

ADJOURNMENT: Dr. Alderman moved to adjourn at 5:00pm. Motion passed. Meeting adjourned.

Respectfully Submitted by

Leigh W. Cellucci
Secretary of the UCC
**Marked Catalog Copy:**

**Agenda Item II**

**Thomas Harriot College of Arts and Sciences**

**Department of Mathematics**

[http://www.ecu.edu/cs-acad/ugcat/CoursesM.cfm#math](http://www.ecu.edu/cs-acad/ugcat/CoursesM.cfm#math)

**MATH: Mathematics**

0001. Intermediate Algebra-A (2) (F,S,SS)

May not be taken by students who have credit for MATH 0045, 1065, 1074, 1085, 2119, 2171, or who have passed the math placement test. May not count toward foundations curriculum math requirement, certification, or degree. Remedial course in basic algebra; some sections may be taught in a lab/tutorial mode.

0045. Intermediate Algebra-B (2)

May not be taken by students who have credit for MATH 0001, 1065, 1074, 1085, 2119, 2171, or who have passed the math placement test. May not count toward foundations curriculum math requirement, certification, or degree. Remedial basic algebra. Some sections may be taught in lab/tutorial mode.

1050. Explorations in Mathematics (3) (F,S,SS) (FC:MA)

May not count toward MATH major or minor. Fulfills foundations curriculum MATH requirement for students whose major does not require a specific MATH course. Broad overview of mathematics and its relevance to life. Selected topics include at least four of the following: algebraic concepts, geometry, set theory and logic, number theory, discrete mathematics, statistics, consumer mathematics/finance, and history of mathematics.

1065. College Algebra (3) (F,S,SS) (FC:MA)

1 hour of lecture and 3 hours of active learning in computer lab each week. May not be taken by students who have credit for MATH 1083 or higher. P: Appropriate score on departmental math placement test or math section of the SAT/ACT. Topics include sets; linear, quadratic, polynomial, and exponential functions; inequalities; permutations; combinations; binomial theorem; and mathematical induction. Linear equations, quadratic equations, systems of linear equations, inequalities, circles, variation, functions, graphs, exponential and logarithmic functions, and applications. Students not attending on the first day of class will be dropped.

1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA)

Required for students planning to major in business administration or accounting. P: Appropriate score on the math placement test or approval of the dept chair. Skills in formulating models for and interpreting solutions to business word problems. Topics include linear and nonlinear equations, systems of linear equations, applications of matrix algebra, and applied basic differential calculus. No proofs included.

1067. Algebraic Concepts and Relationships (3) (F,S) (FC:MA)

May not count toward MATH or CSCI major or minor. P: Appropriate score on math placement test. Properties of integers, rationals, real and complex numbers, and
polynomials from an algebraic point of view; conjectures and intuitive proofs in number theory; properties of linear and quadratic functions. Representations of real-world relationships with physical models, charts, graphs, equations and inequalities. Emphasis on development of problem-solving strategies and abilities.

1074. Applied Trigonometry (2) (F.S,SS)

Students who plan to take MATH 2171 must choose 1083 or 1085. May not be taken by students who have credit for MATH 1083 or 1085. P: MATH 1065. Practical and computational aspects of trigonometry. Properties of trigonometric functions. Use of tables, interpolation, logarithms, solution of right and oblique triangles, and applications.

1077. Pre-Calculus Concepts and Relationships (3) (S)

May not count toward MATH or CSCI major or minor. P: MATH 1067. Modeling approach to study of functions (including logarithmic, exponential, and trigonometric functions), data analysis, and matrices. Foundation for future course work in calculus, finite mathematics, discrete mathematics, and statistics.

1083. Introduction to Functions (3) (F.S,SS) (FC:MA)

May not be taken by students who have successfully completed MATH 1074 or MATH 1085. P: MATH 1065 with a minimum grade of C. Accelerated introduction to language of functions. Emphasis on trigonometry as a preparation for calculus sequence MATH 2171-73.

1085. Pre-Calculus Mathematics (5) (F.S,SS) (FC:MA)

May not be taken by students who have credit for MATH 1074. P: MATH 1065 with minimum grade of C. Algebra and trigonometry for qualified students who plan to take calculus.

Agenda Item III

College of Allied Health Sciences

Department of Health Services and Information Management

url: http://www.ecu.edu/cs-acad/ugcat/HIMA.cfm

College of Allied Health Sciences

Department of Health Services and Information Management

Xiaoming Zeng, Chair, 3206HD Health Sciences Building

BS in Health Information Management

Note: Due to projected changes in the certification requirements of the Council on Certification of the American Health Information Management Association, this bachelor’s program will be discontinued. The last semester for matriculation of part-time students into the program is Fall 2010. The last semester for matriculation of full-time students into the program is Fall 2011. Students should plan to complete this bachelor of science in health information management by
May 2013.

A minimum 2.5 GPA is required for admission to the professional phase (junior and senior levels) of the health information management curriculum. See health information management admission packet for specific admission information. Majors must earn a minimum grade of C in all foundations, cognate and core courses before progressing on to subsequent courses in the HIMA curriculum. A student earning a D in any of these courses must petition the Department of Health Services and Information Management for probationary continuation and may be required to repeat the course. Three D or F grades will result in dismissal from the HIMA program. Appeals of dismissals must be made in writing to the Student Affairs Committee of the Department of Health Services and Information Management. Minimum degree requirement is 126 s.h. of credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below 42 s.h.

   - BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (FC:SC) (P: BIOL 1050, 1051; or BIOL 1100, 1101)
   - BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (FC:SC) (P/C: BIOL 2130)
   - MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   - Recommended:
     - ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)

2. Core - 71 s.h.

   - HIMA 3000. Medical Terminology for Health Professionals (3) (F,S,SS)
   - HIMA 3032. Record Documentation Systems (3) (S) (P: HIMA major; HIMA 3120)
   - HIMA 3113. Applied Medical Sciences I (3) (F) (P: BIOL 2130, 2131; HIMA major; or consent of instructor)
   - HIMA 3118. Applied Medical Sciences II (3) (S) (P: HIMA 3113)
   - HIMA 3120. Health Care Delivery Systems (3) (F) (P: HSMA 2000; P/C: HSMA 3030 or consent of instructor)
   - HIMA 3142. Diagnostic and Procedural Coding (3) (S, SS) (P/C: HIMA major; BIOL 2130, 2131; HIMA 3118)
   - HIMA 3148. Health Service Coding (3) (F) (P: HIMA 3120, 3142)
   - HIMA 4030. Quality Management in Health Care (3) (S) (P: HIMA 3113, 3120, or consent of instructor)
   - HIMA 4075. Applied Health Services Research (3) (WI) (F) (P: BIOS 1500; HIMA 3120)
   - HIMA 4081. Directed Independent Project (1) (F,S,SS) (P: HIMA major; consent of instructor)
   - HIMA 4138. Health Data Structures (3) (S) (P: HIMA 3120)
3. Cognates - 7 s.h.

MIS 2223. Introduction to Computers (3) (F,S,SS)
BIOS 1500. Introduction to Biostatistics (3) (F,S) (P: MATH 1065 or equivalent or consent of instructor)

4. Electives to complete requirements for graduation.

BS in Health Services Management

Admission to the BS in health services management program requires a minimum cumulative GPA of 2.5 and an application. Applications should be submitted when the student is nearing completion of foundations curriculum requirements. Undergraduate students interested in pursuing master’s level professional degrees in allied health disciplines are encouraged to seek academic advisement as freshmen. Majors must earn a minimum grade of C in all foundations curriculum, cognate and core courses before progressing on to subsequent courses in the HSMA curriculum. A student earning a D in any of these courses must petition the Department of Health Services and Information Management for probationary continuation and may be required to repeat the course. Three D or F grades will result in dismissal from the HSMA program. Appeals of dismissals must be made in writing to the Student Affairs Committee of the Department of Health Services and Information Management. Minimum degree requirement is 126 s.h. of credit as follows:

HIMA 4153. Management of Health Information Services Department (3) (WI) (F) (P: HSMA 3050, 4055)
HIMA 4160. Concepts in Health Information Technology (3) (F) (P: MIS 2223)
HIMA 4165. Health Information Systems (3) (S) (P: HIMA 4160)
HSMA 2000. Professional Roles and Environments in Health Care (3) (SL*) (F,S,SS)
HSMA 3020. Health Care Payment Systems (3) (S) (P: HSMA 2000; P/C: HIMA 3120; HSMA 3030 or consent of instructor; HSMA 3035)
HSMA 3025. Professional Ethical Codes and Law in Health Care (3) (F) (P: HSMA 2000; P/C: HSMA 3030; or consent of instructor)
HSMA 3030. Written Communication and Documentation in Health Care (4) (WI) (F) (P: HSMA 2000)
HSMA 3035. Interpersonal Team Skills for Health Care Supervisors and Practitioners (3) (S) (P: HSMA 2000; P/C: HSMA 3030 or consent of instructor)
HSMA 3050. Leadership in Health Care (3) (F) (P/C: HSMA 3030)
HSMA 4010. Health Information Management (3) (F) (P: HIMA 3120; HSMA 3035)
HSMA 4050. Personnel Management and Supervision in Health Care (3) (S) (P: HIMA 3120; HSMA 3035; or consent of instructor)
HSMA 4055. Health Care Finance and Accounting (3) (F,SS) (P: HIMA 3120; HSMA 3035)
HSMA 4905. Allied Health Management Experience (5) (S) (P: Senior standing, consent of advisor, and within 15 s.h. of completing degree program)
1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.

BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (FC:SC) (P: BIOL 1050, 1051; or BIOL 1100, 1101)
BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (FC:SC) (P/C: BIOL 2130)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
Recommended:
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)

2. Core - 40-43\, 52-55 s.h.

HIMA 3120. Health Care Delivery Systems (3) (F) (P: HSMA 2000; P/C: HSMA 3030 or consent of instructor)
HIMA 4030. Quality Management in Health Care (3) (S) (P: HIMA 3113, 3120, or consent of instructor)
HIMA 4075. Applied Health Services Research (3) (WI) (F) (P: BIOS 1500; HIMA 3120)
HSMA 2000. Professional Roles and Environments in Health Care (3) (SL*)(F,S,SS)
HSMA 3020. Health Care Payment Systems (3) (S) (P: HSMA 2000; P/C: HIMA 3120; HSMA 3030 or consent of instructor; HSMA 3035)
HSMA 3025. Professional Ethical Codes and Law in Health Care (3) (F) (P: HSMA 2000; P/C: HSMA 3030; or consent of instructor)
HSMA 3030. Written Communication and Documentation in Health Care (4) (WI) (F) (P: HSMA 2000)
HSMA 3035. Interpersonal Team Skills for Health Care Supervisors and Practitioners (3) (S) (P: HSMA 2000; P/C: HIMA 3030 or consent of instructor)
**HSMA 3040. Managing the Health of Populations (3) (S) (P: HSMA 3115 or consent of instructor)**
**HSMA 3045. Health Data Management (3) (S)**
HSMA 3050. Leadership in Health Care (3) (F) (P/C for major: HSMA 3030; P/C for minor: none)
HSMA 4010. Health Information Management (3) (F) (P: HIMA 3120; HSMA 3035)
HSMA 4050. Personnel Management and Supervision in Health Care (3) (S) (P: HIMA 3120; HSMA 3035; or consent of instructor)
HSMA 4055. Health Care Finance and Accounting (3) (F,SS) (P: HIMA 3120; HSMA 3035)
**HSMA 4060. Medical Practice Management (3) (F) (P: HSMA 4055)**
**HSMA 4065. Management of Health Care Operations and Patient Flow (3) (S) (P: HIMA 4075 or consent of instructor)**
HSMA 4903, 4904, 4905, 4906. Allied Health Management Experience (3,4,5,6) (WI*) (S) (P: Senior standing, consent of advisor, and within 15 s.h. of completing degree program)
3. Cognates - 6 s.h.

   BIOS 1500. Introduction to Biostatistics (3) (F,S) (P: MATH 1065 or equivalent or consent of instructor)
   MIS 2223. Introduction to Computers (3) (F,S,SS)

4. Concentration areas (Choose one.): 8-11 s.h.

   Health services management: 6 s.h.
   HIMA 3000. Medical Terminology for Health Professionals (3) (F, S, SS)
   HSMA 3115. Human Diseases (3) (F) (P: BIOL 2130, 2131; or consent of instructor)
   HIMA 3113. Applied Medical Sciences I (3) (F) (P: BIOL 2130, 2131, HIMA major, HSMA major, or consent of instructor)
   HIMA 3118. Applied Medical Sciences II (3) (S) (P: HIMA 3113)

   Allied health management:
   Choose 8-11 s.h. from:
   HPRO 2501, 2502, 2503, 2504, 2505. Allied Health Practice (1,2,3,4,5) (F, S, SS) (P: Current and valid applicable credential, license, or registration and consent of advisor and dept. chair)

5. Restricted electives to complete requirements for graduation. Choose from the following, prerequisites for allied health graduate programs, or others in consultation with advisor:

   BITE 2212. Basic Programming for Business Applications (3) (F,S,SS)
   BITE 2311. Financial Information Systems I (3) (F,S,SS)
   BIOS 5010. Epidemiology for Health Professionals (3) (P: BIOS 1500 or consent of instructor)
   GERO 2400. Introduction to Gerontology (3) (FC:SO)
   HIMA 4165. Health Information Systems (3) (S) (P: HIMA 4160)
   HSMA 4015. Health Care Records and Data: Maintenance and Analysis (3) (S) (P: HSMA 3025)
   HSMA 4020. Health Care Reimbursement: Public (3) (F) (P: HSMA 3020)
   HSMA 4025. Health Care Reimbursement: Private (3) (S) (P: HSMA 3020)
   HSMA 4028. Health Care Reimbursement: Policy and Research (3) (S) (P: HSMA 3020)
   HSMA 4056. Marketing Health Care Services (3) (S) (P: HIMA 3120; HSMA 3035; or consent of instructor)
   HSMA 4057. Introduction to Long Term Care (3) (S) (P: HIMA 3120; HSMA 3035; or consent of instructor)
   HSMA 4070. Outcomes Assessment and Management in Health Care (3) (F) (P: HIMA 3120; HSMA 3035)
   HSMA 4075. Managed Care in Health Systems (3) (F) (P: HIMA 3120; HSMA 3035)
   HSMA 4081, 4082, 4083. Advanced Topics in Health Care Management and Service Delivery (1,2,3) (S) (P: HIMA 3120; HSMA 3035; consent of instructor, advisor, or dept. chair)
Choose 19-22 s.h. from:
HPRO 2501, 2502, 2503, 2504, 2505. Allied Health Practice (1,2,3,4,5) (F, S, SS) (P: Current and valid applicable credential, license, or registration and consent of advisor and dept. chair)

Health Informatics Minor

Note: The minor in health informatics is being terminated. The last semester for matriculation of part-time students into the health informatics minor is fall 2010. The last semester for matriculation of full-time students into the health informatics minor is fall 2011. Students should plan to complete the minor in health informatics by May 2013.

Minimum requirements for the health informatics minor is 24 s.h. selected from the following courses:

- HIMA 3000. Medical Terminology for Health Professionals (3) (F,S,SS)
- HIMA 3120. Health Care Delivery Systems (3) (F) (P: HSMA 2000; P/C: HSMA 3030 or consent of instructor)
- HIMA 4138. Health Data Structures (3) (S) (P: HIMA 3120)
- HIMA 4160. Concepts in Health Information Technology (3) (F) (P: BITE 2112 or MIS 2223)
- HIMA 4165. Health Information Systems (3) (S) (P: HIMA 4160)
- HIMA 5060. Health Informatics (3) (F)
- HSMA 2000. Professional Roles and Environments in Health Care (3) (SL*) (F,S,SS)
- HSMA 3035. Interpersonal Team Skills for Health Care Supervisors and Practitioners (3) (S) (P: HSMA 2000; P/C: HSMA 3030 or consent of instructor)
- HSMA 4010. Health Information Management (3) (F) (P: HIMA 3120; HSMA 3035)
- MIS 2223. Introduction to Computers (3) (F, S, SS)

url: [http://www.ecu.edu/cs-acad/ugcat/CoursesH.cfm#hsma](http://www.ecu.edu/cs-acad/ugcat/CoursesH.cfm#hsma)

HSMA: HEALTH SERVICES MANAGEMENT

2000. Professional Roles and Environments in Health Care (3) (SL*) (F,S,SS)
Examines interdisciplinary professional roles and environments in health care. Orientation to HSMA academic program and its role in career development.

3020. Health Care Payment Systems (3) (S)
P: HSMA 2000; P/C: HIMA 3120; HSMA 3030 or consent of instructor, HSMA 3035.
Overview of payment systems in health care across the continuum of care.

3025. Professional Ethical Codes and Law in Health Care (3) (F)
P: HSMA 2000; P/C: HSMA 3030; or consent of instructor. Ethical codes in allied health professions. Laws and regulations that apply to health care.

3030. Written Communication and Documentation in Health Care (4) (WI) (F)
3035. Interpersonal Team Skills for Health Care Supervisors and Practitioners (3) (S)
  P: HSMA 2000; P/C: HSMA 3030 or consent of instructor. Focus on interpersonal skills
  for effective supervision and clinical practice in health care, especially within health care
  team, committees, and oversight entities. Requires oral presentations.

3040. Managing the Health of Populations (3) (S)
  P: HSMA 3115 or consent of instructor. Introduction to the use of epidemiologic
  concepts and principles in the practice of managing the health of populations and
  communities.

3045. Health Data Management (3) (S)
  Processes of health data and record keeping, compliance with record keeping standards,
  and diagnostic and procedural coding across the continuum of care.

3050. Leadership in Health Care (3) (F)
  P/C: HSMA 3030. Theory and application of basic organizational development,
  organizational structure and norms, change management, and strategic planning within
  health care organizations.

3115. Human Diseases (3) (F)
  P: BIOL 2130, 2131; or consent of instructor. Introduction to the basic concepts of
  pathophysiology. Includes the study of the mechanisms that cause human diseases as well
  as the human body’s response to diseases.

4010. Health Information Management (3) (F)
  P: HIMA 3120; HSMA 3035. Introduces health information from perspective of control
  and management of information resources. Includes strategic information systems with
  emphasis on collection, organization, and interpretation of information for planning and
  evaluating of health care services.

4015. Health Care Records and Data: Maintenance and Analysis (3) (S)
  P: HSMA 3025. Examines advanced methods of storage, retrieval, transmission, and
  security of data from perspective of longitudinal health records.

4020. Health Care Reimbursement: Public (3) (F)
  P: HSMA 3020. Examines approaches of public payers to health care services
  reimbursement and cost containment.

4025. Health Care Reimbursement: Private (3) (S)
  P: HSMA 3020. Examines approaches of private payers to health care services
  reimbursement and cost containment.

4028. Health Care Reimbursement: Policy and Research (3) (S)
  P: HSMA 3020. Survey of national policies and research with development of framework
  for analysis.

4050. Personnel Management and Supervision in Health Care (3) (F)
  P: HIMA 3120; HSMA 3035; or consent of instructor. Managerial theory and application,
  including management styles, personnel records and management, staff development,
  work re-design, ergonomics, and departmental performance assessment.

4055. Health Care Finance and Accounting (3) (F,SS)
  P: HIMA 3120; HSMA 3035. Overview of departmental financial management and
  accounting functions as applied to health care environments. Includes inventory control,
  budgeting, cost analysis, resource allocation, capital expenditures, and financial
  forecasting.

4056. Marketing Health Care Services (3) (S)
P: HIMA 3120; HSMA 3035; or consent of instructor. Entrepreneurship and marketing services. Includes market assessment, strategic planning, designs, financial analyses, contracts, and outcomes management.

4057. Introduction to Long Term Care (3) (S)
   P: HIMA 3120; HSMA 3035; or consent of instructor. Survey of the long term care system. Historical development and future trends, organizational structure, regulatory and accrediting bodies, multicultural issues, and policy formulation.

4060. Medical Practice Management (3) (F)
   P: HSMA 4055. Overview of financial management processes of a physician practice including revenue and expenses cycles and use of practice software.

4065. Management of Health Care Operations and Patient Flow (3) (S)
   P: HIMA 4075 or consent of instructor. Application of operations management, queuing theory and simulation to analyze and manage patient flow in health care organizations.

4070. Outcomes Assessment and Management in Health Care (3) (F,S)
   P: HIMA 3120; HSMA 3035. Survey of outcomes research that includes methods, cost effectiveness, measurement, decision support, quality of life, and improvement management.

4075. Managed Care in Health Systems (3) (F,S)

4081, 4082, 4083. Advanced Topics in Health Care Management and Service Delivery (1,2,3) (S)
   May be repeated for credit with consent of instructor and dept chair. P: HIMA 3120; HSMA 3035; consent of instructor, advisor, or dept. chair. Directed research with written and oral presentations on advanced topic, emerging trend, or new system in health care delivery.

4903, 4904, 4905, 4906. Allied Health Management Experience (3,4,5,6) (WI*) (S)
   Supervised learning experiences. Students expected to provide personal transportation to field site when necessary. P: Senior standing, consent of advisor, and within 15 s.h. of completing degree program. Workplace experience or credit by portfolio to include specific project, cooperative practicum, professional shadowing, or individual topic of study relevant to allied health management that is reported orally and in writing.

Agenda Item IV

College of Fine Arts and Communication

School of Theatre and Dance
DNCE: Dance

1000. Introduction to Dance (3) (F,S,SS) (FC:FA)
    May not count toward DNCE major. Development of dance as art. Roles of
    choreographer and dancer.
1001. Fundamentals of Ballet (3) (SS) (FC:FA)
    7.5 hours per week. Basic skills of ballet. Includes overview of ballet development.
1002. Fundamentals of Contemporary Dance (3) (SS) (FC:FA)
    7.5 hours per week. Basic skills of modern dance. Includes overview of modern dance
    development.
1003. Fundamentals of Jazz Dance (3) (SS) (FC:FA)
    7.5 hours per week. Basic skills of jazz dance. Includes overview of jazz dance styles.
1004. Tap for Theatre and Other Non Majors (2) (F, S) Introduction to tap dance.
1011. Ballet I (3) (F) (FC:FA)
    Progressive and continuous work in learning and perfecting technique in this most
    difficult and refined form of dance.
1012. Contemporary Dance I (3) (F) (FC:FA)
    Dance technique which does not employ a standardized vocabulary of steps.
1013. Jazz Dance I (3) (F) (FC:FA)
    May not count toward BFA in DNCE. Most recent dance form influenced by South
    American and African cultures.
1014. Tap I (2)(F) Formerly DNCE 3014 May be repeated for a maximum of 4 s.h. Introduction
to tap dance performance technique. P: Consent of instructor and/or Dance Performance,
Dance Education, or Theatre majors.
1021. Ballet II (3) (S) Progressive and continuous work in perfecting technique and style in
    ballet.
1022. Contemporary Dance II (3) (S) Progressive and continuous work in perfecting technique
    and style in contemporary dance.
1023. Jazz Dance II (3) (S) May not count toward BFA in DNCE. Progressive and continuous
    work in perfecting technique and style in jazz dance.
1111, 1121, 2131, 2141, 3151, 3161, 4171, 4181. Ballet Technique Development I, II, III, IV, V,
    VI, VII, VIII (3 each)
    Formerly 1111 was DNCE 2111; 1121 was DNCE 2121; 6 hours per week. P: Placement
    by faculty jury. Progressive and continuous work in perfecting ballet technique.
1112, 1122, 2132, 2142, 3152, 3162, 4172, 4182. Contemporary Dance Technique Development
    I, II, III, IV, V, VI, VII, VIII (3 each)
    Formerly 1112 was DNCE 2112; 1122 was DNCE 2122; 6 hours per week. P: Placement
    by faculty jury. Progressive and continuous work in perfecting contemporary dance
    technique.
1113, 1123, 2133, 2143, 3153, 3163, 4173, 4183. Jazz Dance Technique Development I, II, III,
    IV, V, VI, VII, VIII (3 each)
Formerly 1113 was DNCE 2113; 1123 was DNCE 2123; 6 hours per week each. P: Placement by faculty jury. Progressive and continuous work in perfecting jazz dance technique.

1114. Beginning Ballet I (2) (F)
   May be repeated for a maximum of 4 s.h. Basic work in learning techniques in ballet.

1115. Beginning Modern I (2) (F)
   May be repeated for a maximum of 4 s.h. Basic work in learning techniques in modern dance.

1116. Beginning Jazz I (2) (F)
   May be repeated for a maximum of 4 s.h. Basic work in learning techniques in jazz dance.

1117. Beginning Ballet II (2) (S)
   May be repeated for a maximum of 4 s.h. P: DNCE 1114 or consent of instructor. Continued work in learning techniques in ballet.

1125. Beginning Modern II (2) (S)
   May be repeated for a maximum of 4 s.h. P: DNCE 1115 or consent of instructor. Continued work in learning techniques in modern dance.

1126. Beginning Jazz II (2) (S)
   May be repeated for a maximum of 4 s.h. P: DNCE 1116 or consent of instructor. Continued work in learning techniques in jazz dance.


2024. Tap II (2)(S) Formerly DNCE 3024 May be repeated for a maximum of 4 s.h. Intermediate Tap Dance P: Consent of instructor.

2031. Ballet III (3) (F)
   Continued work on ballet technique.

2032. Contemporary Dance III (3) (F)
   Continued work on contemporary dance technique.

2033. Jazz Dance III (3) (F)
   P: 6 s.h. ballet or consent of instructor. Continued work on jazz technique.

2041. Ballet IV (3)
   Continued work in perfection of technique.

2042. Contemporary Dance IV (3) (S)
   Continued work in perfection of technique.

2043. Jazz Dance IV (3) (S)
   P: 6 s.h. ballet or consent of instructor. Continued work in perfection of technique.

2051, 2061. Ballet Studio I, II (1)

2053. Jazz Dance Studio I (1) (F) P: Dance or theatre major or consent of instructor.
   Progressive and continuous work in perfecting technique and style in jazz with emphasis on creation of choreography and performance.

2063. Jazz Dance Studio II (1) (S) P: Dance or theatre major or consent of instructor.
   Progressive and continuous work in perfecting technique and style in jazz with emphasis on creation of choreography and performance.
2073. Jazz Dance Studio III (1) (F) P: Dance or theatre major or consent of instructor. 
Progressive continuous work in perfecting technique and style in jazz with emphasis on 
creation of choreography and performance.

2083. Jazz Dance Studio IV (1) (S) P: Dance or theatre major or consent of instructor. 
Progressive continuous work in perfecting technique and style in jazz with emphasis on 
creation of choreography and performance.

2134. Intermediate Ballet I (2) (F) 
May be repeated for a maximum of 4 s.h. P: DNCE 1124 or consent of instructor. 
Continuous and progressive work in perfecting techniques in ballet.

2135. Intermediate Modern I (2) (F) 
May be repeated for a maximum of 4 s.h. P: DNCE 1125 or consent of instructor. 
Continuous and progressive work in perfecting techniques in modern dance.

2136. Intermediate Jazz I (2) (F) 
May be repeated for a maximum of 4 s.h. P: DNCE 1126 or consent of instructor. 
Continuous and progressive work in perfecting techniques in jazz dance.

2144. Intermediate Ballet II (2) (S) 
May be repeated for a maximum of 4 s.h. P: DNCE 2134 or consent of instructor. 
Continuous and progressive work in perfecting techniques in ballet.

2145. Intermediate Modern II (2) (S) 
May be repeated for a maximum of 4 s.h. P: DNCE 2135 or consent of instructor. 
Continuous and progressive work in perfecting techniques in modern dance.

2146. Intermediate Jazz II (2) (S) 
May be repeated for a maximum of 4 s.h. P: DNCE 2136 or consent of instructor. 
Continuous and progressive work in perfecting techniques in jazz dance.

2190. Early Experiences for the Prospective Dance Educator (1) (F) 
1 lecture hour for 6 weeks; 2 lab or studio hours for 10 weeks. For students considering a 
career in dance education. Teaching of dance through observation and participation in 
teaching activities in school classrooms.

2200. Creative Dance and Drama for the Elementary School (2) (S) 
Same as THEA 2200 Content, philosophy, methodology, and projects appropriate for 
student preparing to teach elementary grades.

2201. Dance Improvisation I (1) (F) 
2 hours per week. Guided exploration in elements of dance for development of 
spontaneity of individual movement, group interaction, and choreographic skills.

2202. Dance Improvisation II (1) (S) 
2 hours per week. Continuation of guided exploration in elements of dance. Student 
creates and conducts improvisations.

2203, 2204. Dance Improvisation Aerobics (1,1) 
2 hours per week. Guided movement exploration within framework of aerobic workout. 
Emphasis on spontaneous physical expression and high-paced release of energy.

2211, 2221, 3211, 3221, 4211, 4221, 4231, 4241. Partnering I, II, III, IV, V, VI, VII, VIII (1 
each) 
Formerly 2211 was DNCE 3071 2 hours per week. P: Consent of instructor. Progressive 
and continuous work in perfecting technique of support when performing with a partner.

3000, 3001. Dance Performance (1,1) (F,S)
6 hours per week each. P: Consent of instructor. Practical experience in various areas of
dance performance in faculty-choreographed production.
3034. Tap III (2)(F) Formerly DNCE 4034. May be repeated for a maximum of 4 s.h. Advanced
Tap Dance P: Consent of instructor.
3051. Ballet V (3) (F)
P: DNCE 2041 or consent of instructor. Continued study in perfecting ballet technique.
3052. Contemporary Dance V (3) (F)
P: DNCE 2042 or consent of instructor. Continued work toward perfection of technique
and style.
3053. Jazz Dance V (3) (F)
P: DNCE 2043 or consent of instructor. Continued work in perfection of technique.
3061. Ballet VI (3) (S)
P: DNCE 3051 or consent of instructor. Continued study in perfecting ballet techniques.
3062. Contemporary Dance VI (3) (S)
P: DNCE 3052 or consent of instructor. Continued work toward perfection of technique
and style.
3063. Jazz Dance VI (3) (S)
P: DNCE 3053. Continued work in perfection of technique.
3114, 3124, 4134. Tap Technique Development I, II, III (1,1,2) (3114:F; 3124:S; 4134:F)
Formerly 3114 was DNCE 4074; 3124 was DNCE 4075. DNCE 3114, 3124: 2 hours per
week; 4134: 3 hours per week. P: Placement by faculty jury. Progressive and continuous
work in perfecting technique and style in tap dance.
3501, 3502, 3503. Independent Study in Dance (1,2,3) (F,S,SS)
May be repeated for maximum of 4 s.h. with change of topic. P: Consent of instructor
and dept chair. Independent study of scholarly topic related to dance.
3601, 3602, 3603. Selected Topics in Dance (1,2,3) (F,S,SS) (FC:FA)
May be repeated for maximum of 4 s.h. with change of topic. P: Consent of instructor
and dept chair. Intensive study of selected topics related to dance.
3703. International Ballroom and Folk Dance Styles (3) (FC:FA)
Knowledge, skills, and understanding of international ballroom and folkdance styles.
4000, 4001. Special Dance Projects (1,1)
6 hours per week each. P: Consent of instructor. Practical experience in various areas of
dance performance directed and supervised by faculty.
4033. Jazz Dance Studio V (1) (F) P: Dance or theatre major or consent of instructor.
Progressive continuous work in perfecting technique and style in jazz with emphasis on
creation of choreography and performance.
4040. Tap Dance IV (2)(S) May be repeated for a maximum of 4 s.h. Tap
Performance Styles P: Consent of instructor.
4043. Jazz Dance Studio VI (1) (S) P: Dance or theatre major or consent of instructor.
Progressive continuous work in perfecting technique and style in jazz with emphasis on
creation of choreography and performance.
4044. History of Dance I (3) (WI) (F) (FC:FA)
Explores dance as ritual and theatrical art.
4045. History of Dance II (3) (WI) (S) (FC:FA)
Explores development of dance as theatrical art.
4046. Composition I (3) (WI) (F)

4047. Composition II (3) (WI) (S)
P: DNCE 4046. Development of choreographic idea.

4048. Choreography Project (3) (F)
9 hours per week. P: DNCE 4047 or consent of instructor. Development, presentation, and evaluation of choreographic projects.

4053. Jazz Dance Studio VII (1) (F) P: Dance or theatre major or consent of instructor.
Progressive continuous work in perfecting technique and style in jazz with emphasis on creation of choreography and performance.

4063. Jazz Dance Studio VIII (1) (S) P: Dance or theatre major or consent of instructor.
Progressive continuous work in perfecting technique and style in jazz with emphasis on creation of choreography and performance.

4071. Ballet VII (3) (F)
P: DNCE 3061 or consent of instructor. Continued study in perfection of technique.

4072. Contemporary Dance VII (3) (F)
P: DNCE 3062 or consent of instructor. Continued study in perfection of technique and style.

4073. Jazz Dance VII (3) (F)
6 hours per week. P: DNCE 3063. Continued work in perfection of jazz technique.

4076. Theatre Dance Styles I (3)
6 hours per week. P: DNCE 2041 or 2043; and consent of instructor. Develop basic practical knowledge of choreographed movement in musical theatre dance idiom. Emphasizes twentieth century theatre dance styles.

4081. Ballet VIII (3) (S)
P: DNCE 4071 or consent of instructor. Continued study in perfection of technique.

4082. Contemporary Dance VIII (3) (S)
P: DNCE 4072 or consent of instructor. Continued study in perfection of technique and style.

4083. Jazz Dance VIII (3) (S)
6 hours per week. P: DNCE 4073. Continued work in perfection of jazz technique.

4234. Tap Ensemble (2)(S,F) May be repeated for a maximum of 16 s.h. P: Consent of instructor.

4323. Perspectives on Dance Education, Grades K-12 (3) (WI) (F,S)
P: Admission to upper division; consent of instructor. Theoretical foundations in dance education and implications for curriculum and teaching.

4324. Internship in Dance Education (10) (F,S)
Full-time, semester-long internship. P: Admission to upper division; C: DNCE 4325. Supervised internship in dance education in public schools.

4325. Internship Seminar: Issues in Dance Education (1) (F,S)
P: Admission to upper division; C: DNCE 4324. Individualized study of problems or issues in dance education.

DNCE Banked Courses
2071, 2081. Ballet Studio III, IV (1 each)
2052, 2062, 2072, 2082. Contemporary Dance Studio I, II, III, IV (1 each)
2053, 2063, 2073, 2083. Jazz Dance Studio I, II, III, IV (1 each)
4031, 4041, 4051, 4061. Ballet Studio V, VI, VII, VIII (1 each)
4032, 4042, 4052, 4062. Contemporary Dance Studio V, VI, VII, VIII (1 each)
4033, 4043, 4053, 4063. Jazz Dance Studio V, VI, VII, VIII (1 each)
4077. Theatre Dance Styles II (3)
Thomas Harriot College of Arts and Sciences

Department of Biology

BS in Biology, General

1. Foundations curriculum (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.) - 42 s.h.

   CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C: MATH 1065; C for 1150: CHEM 1151; C for 1151: CHEM 1150)
   CHEM 1160, 1161. General Chemistry and Laboratory II (3,1) (F,S,SS) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)

2. Core. - 15 s.h.

   BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100)
   BIOL 1200, 1201. Principles of Biology and Laboratory II (3,1) (F,S,SS) (FC:SC) (P/C for 1201: BIOL 1200)
   BIOL 2250. Ecology (3) (F,S,SS) (P: BIOL 1100, 1101, 1200, 1201)
   BIOL 2251. Ecology Laboratory (1) (F,S,SS) (P: BIOL 1100, 1101, 1200, 1201; C: BIOL 2250)
   BIOL 2300. Principles of Genetics (3) (F,S,SS) (P: BIOL 1100, 1200)
BS in Biochemistry

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

1. Foundations (For information about courses that carry foundations curriculum credit see **Liberal Arts Foundations Curriculum**) - 42 s.h.

   CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C: MATH 1065; C for 1150: CHEM 1151; C for 1151: CHEM 1150)
   CHEM 1160, 1161. General Chemistry and Laboratory II (3,1) (F,S,SS) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)

2. Core. - 40 s.h.

   Biology:
   BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100)
   BIOL 1200, 1201. Principles of Biology and Laboratory II (3,1) (F,S,SS) (FC:SC) (P/C for 1201: BIOL 1200)
   BIOL 2300. Principles of Genetics (3) (F,S,SS) (P: BIOL 1100, 1200)
   BIOL 3310, 3311. Cellular Physiology (4,0) (F,S,SS) (P: CHEM 1120 and 1130, or 2650 or 2750 or 2770)
   BIOL 5800, 5810. Principles of Biochemistry I, II (3,3) (P: CHEM 2760, 2763)
   BIOL 5821. Principles of Biochemistry Laboratory I (1) (P/C: BIOL 5800 or 5810)

http://www.ecu.edu/cs-acad/ugcat/chemistry.cfm

**Thomas Harriot College of Arts and Sciences**

**Department of Chemistry**

**BA in Chemistry**

The BA program provides a flexible major designed to provide the student with a broad education in chemistry appropriate for further study in a wide range of fields, such as business, medicine, pharmacy, and law as well as careers dependent on a basic knowledge in chemistry. The BA in chemistry, in conjunction with two semesters of laboratory-based biology courses, satisfies the course requirements for application to most US medical schools. It is different than the BS degree in the required chemistry, math, and physics courses. Any of the required major courses or cognates, however, may be replaced by courses that cover the same topics at a more
advanced level. For example, CHEM 3950, 3960 may be taken instead of CHEM 3850. It is the student’s responsibility to ensure that the prerequisites for such courses have been met. If a student successfully completes a higher-level cognate course after bypassing the lower-level prerequisite course(s), he/she may use free electives to substitute for the prerequisite hours. All students are required to take a departmentally administered assessment examination before graduation. Scores from this examination will not be included in the calculation of GPA for academic standing. The performance on this exam will be noted on the student’s transcript. Minimum degree requirement is **126 s.h.** of credit as follows:

1. Foundations curriculum (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum.*) - 42 s.h.
   
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
   
   PHYS 1250, 1260. General Physics (3,3) (F,SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
   
   PHYS 1251, 1261. General Physics Laboratory (1,1) (F,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: 1260 or 2360)

2. Foreign language through level 1004. - 12 s.h.

3. Core. - 30 s.h.

   CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,SS) (FC:SC) (P/C: MATH 1065)
   
   CHEM 1160, 1161. General Chemistry and Laboratory II (3,1) (F,SS) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
   
   CHEM 2250, 2251. Quantitative and Instrumental Analysis (3,2) (WI, WI) (F,S) (P: CHEM 1160, 1161; CHEM 2650 or 2750)
   
   CHEM 2750. Organic Chemistry I (3) (F,SS) (P: CHEM 1160, 1161; C: CHEM 2753)
   
   CHEM 2753. Organic Chemistry Laboratory I (1) (F,SS) (C: CHEM 2750)
   
   CHEM 2760. Organic Chemistry II (3) (F,SS) (P: CHEM 2750; C: CHEM 2763)
   
   CHEM 2763. Organic Chemistry Laboratory II (1) (F,SS) (P: CHEM 2750, 2753; C: CHEM 2760)
   
   CHEM 3450. Elementary Inorganic Chemistry (3) (F,S) (P: CHEM 2250, 2251; C: CHEM 3451)
   
   CHEM 3451. Elementary Inorganic Chemistry Laboratory (1) (WI) (F,S) (P: CHEM 2250, 2251; C: CHEM 3450 or 5550)
   
   CHEM 3850, 3851. Introduction to Physical Chemistry (4,1) (WI, WI) (F,S) (P: CHEM 1160, 1161; MATH 2122 or 2172; PHYS 1260, 1261)
Thomas Harriot College of Arts and Sciences

Department of Chemistry

BS in Chemistry

The BS degree in chemistry is the appropriate program for students considering advanced degree programs in chemistry, biochemistry, and other related fields or a professional career in chemistry. Graduates of this program meet certification requirements of the American Chemical Society. Students are strongly encouraged to pursue undergraduate research with a faculty member. Up to 6 s.h. of undergraduate research may be applied toward degree requirements. Information regarding undergraduate research may be obtained from the director of undergraduate studies. Students completing the BS degree are encouraged to consider some of the following courses as electives: COMM 2410 or COMM 2420; ITEC 3290 or ENGL 3820; MATH 2228, 3256, 4331; CHEM 4515, 4516, 4517; advanced 5000-level courses in chemistry; and BIOL 5800 or 5810. If a student successfully completes a higher-level cognate course after bypassing the lower-level prerequisite course(s), he/she may use free electives to substitute for the prerequisite hours. All students are required to take a departmentally administered assessment examination before graduation. Scores from this examination will not be included in the calculation of GPA for academic standing. The performance on this exam will be noted on the student’s transcript. Minimum degree requirement is 126 s.h. of credit as follows:

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

   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
   PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: 1260 or 2360)
   PHYS 2350, 2360. University Physics (4,4) (F,S,SS) (FC:SC) (P for 2350: MATH 2121, 2151, or 2171; P for 2360: PHYS 2350)

2. Core. - 45 s.h.

   CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C: MATH 1065)
   CHEM 1160, 1161. General Chemistry and Laboratory II (3,1) (F,S,SS) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
   CHEM 2103. Introduction to Chemical Literature (1) (WI) (F) (P: CHEM 2750)
   CHEM 2250, 2251. Quantitative and Instrumental Analysis (3,2) (WI, WI) (F,S) (P: CHEM 1160, 1161; CHEM 2650 or 2750)
   CHEM 2750. Organic Chemistry I (3) (F,S,SS) (P: CHEM 1160, 1161; C: CHEM 2753)
   CHEM 2753. Organic Chemistry Laboratory I (1) (F,S,SS) (C: CHEM 2750)
CHEM 2760. Organic Chemistry II (3) (F,S,SS) (P: CHEM 2750; C: CHEM 2763)
CHEM 2763. Organic Chemistry Laboratory II (1) (F,S,SS) (P: CHEM 2750, 2753; C:
CHEM 2760)
CHEM 2770. Biological Chemistry (3) (S) (FC:SC) (P: CHEM 2650 or 2760)
CHEM 3451. Elementary Inorganic Chemistry Laboratory (1) (WI) (F,S) (P: CHEM
2250, 2251; C: CHEM 3450 or 5550)
CHEM 3950, 3951. Physical Chemistry and Laboratory I (4,1) (WI, WI) (S) (P: PHYS
1261, 2360; MATH 2173; CHEM 2250, 2251)
CHEM 3960, 3961. Physical Chemistry and Laboratory II (4,1) (WI, WI) (F) (P: CHEM
3950, 3951)
CHEM 4103. Seminar (1) (S) (P: Junior or senior standing; CHEM 2103)
CHEM 5350, 5351. Instrumental Analysis (3,1) (WI, WI) (P: CHEM 3960)
CHEM 5550. Advanced Inorganic Chemistry (4) (F) (P: CHEM 3950; C: CHEM 3451
[for BS chemistry majors only])

http://www.ecu.edu/cs-acad/ugcat/economics.cfm

Thomas Harriot College of Arts and Sciences

Department of Economics

Richard E. Ericson, Chairperson, A-428 Brewster Building

BA in Economics

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

1. Foundations curriculum (For information about courses that carry foundations curriculum
credit see Liberal Arts Foundations Curriculum.) - 42 s.h.

MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on
mathematics placement test or math section of the SAT/ACT) or MATH 1066. Applied
Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on
mathematics placement test or approval of dept chair)

2. Foreign language through level 1004 - 12 s.h.

3. Core - 33 s.h.

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) (P: ECON 2113)
ECON 3144. Intermediate Microeconomics (3) (F,S) (FC:SO) (P: ECON 2113)
ECON 3244. Intermediate Macroeconomics (3) (F,S) (FC:SO) (P: ECON 2133)
Choose an additional 21 s.h. above 2999, including a minimum of 6 s.h. above 3999

4. Cognates - 9 s.h.

   ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200)
   MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)
   MIS 2223. Introduction to Computers (3) (F,S,SS)

5. Minor, chosen with approval of advisor, and general electives to complete requirements for graduation.

BS in Economics

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

1. Foundations curriculum (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.) - 42 s.h.

   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)

2. Common Core - 21 s.h.

   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) (P: ECON 2113)
   ECON 3144. Intermediate Microeconomics (3) (F,S) (FC:SO) (P: ECON 2113)
   ECON 3244. Intermediate Macroeconomics (3) (F,S) (FC:SO) (P: ECON 2113)
   ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200)
   MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)
   MIS 2223. Introduction to Computers (3) (F,S,SS)

http://www.ecu.edu/cs-acad/ugcat/fll.cfm

Thomas Harriot College of Arts and Sciences

Department of Foreign Languages and Literatures

BS in French

Minimum degree requirement is 126 s.h. of credit as follows:
1. Foundations curriculum plus special requirements for licensure (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.) - 42 s.h.

COMM 2410. Public Speaking (3) (F,S,SS) or COMM 2420. Business and Professional Communication (3) (F,S,SS)
HIST 1030. World Civilizations to 1500 (3) (WI*) (F,S,SS) and HIST 1031. World Civilizations Since 1500 (3) (WI*)(F,S,SS) or HIST 1552. Honors, World History to 1500 (3) (F) and HIST 1553. Honors, History of Europe Since 1500 (3) (S)
MATH 1065. College Algebra (3) (F,S,SS) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (P: Appropriate score on mathematics placement test or approval of dept chair) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (P: Appropriate score on mathematics placement test)
PSYC 1000. Introductory Psychology (3) (F,S,SS)

2. Core - 36 s.h.

FREN 2330. Review of Grammar (3) (P: FREN 1004 or equivalent)
FREN 3225. Advanced Conversation (3) (P: FREN 2330)
FREN 3330. Composition and Advanced Grammar (3) (WI) (P: FREN 2330)
FREN 3500. Introduction to Literature (3) (P: FREN 2330)
Choose 9 s.h from:
FREN 2108. Culture and Communication (3) (P: FREN 1004)
FREN 2440. Readings in the Culture of France I (3) (P: FREN 1004)
FREN 2441. Readings in the Culture of France II (3) (P: FREN 1004)
FREN 2442. Readings in the Francophone Cultures of the Americas (3) (P: FREN 1004)
FREN 2443. Readings in the Francophone Cultures of Africa (3) (P: FREN 1004)
Choose 9 s.h. from:
FREN 3555. France of the Middle Ages and Renaissance (3) (WI) (P: FREN 3500 or consent of dept chair)
FREN 3556. France from Classicism to the French Revolution (3) (P: FREN 3500 or consent of dept chair)
FREN 3557. France from the Napoleonic Period to World War II (3) (WI) (P: FREN 3500 or consent of dept chair)
FREN 3558. The Francophone World: Colonization to Independence (3) (P: FREN 3500 or consent of dept chair)
FREN 3560. The Contemporary French and Francophone World (3) (P: FREN 3500 or consent of dept chair)
Choose 6 s.h. of FREN electives above 2999
Thomas Harriot College of Arts and Sciences

Department of Foreign Languages and Literatures

BS in German

See Section 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **126 s.h.** of credit as follows:

1. Foundations curriculum plus special requirements for licensure (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*), including those listed below - 42 s.h.

   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   HIST 1030. World Civilizations to 1500 (3) (WI*) (F,S,SS) (FC:HU) and HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:HU) or HIST 1552. Honors, World History to 1500 (3) (F) (FC:HU) and HIST 1553. Honors, History of Europe Since 1500 (3) (S) (FC:HU)
   HIST 3461. Modern Germany Since 1914 (3) (FC:SO) or HIST 3435. History of Europe Since 1914 (3) (FC:SO) or HIST 5480. Weimar and the Rise of Hitler (3) or equivalent.
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   Choose a literature course

2. Core - 36 s.h.

   GERM 2210. Intermediate German Composition and Conversation I (3) (P: GERM 1004 or consent of instructor)
   GERM 2211. Intermediate German Composition and Conversation II (3) (P: GERM 1004 or consent of instructor)
   GERM 2300. Introduction to German Literature (3) (FC:HU) (P: GERM 1004 or consent of instructor)
   GERM 2420. Culture of the German-Speaking World (3) (FC:HU) (P: GERM 1004 or consent of instructor)
   GERM 3210. Conversation (3) (P: GERM 2210 or 2211; or consent of instructor)
   GERM 3330. Composition and Advanced Grammar (3) (WI) (P: GERM 2210 or 2211; or consent of instructor)
   Choose 6 s.h. of German literature above 2999
   Choose 12 s.h. of GERM electives above 2999
Thomas Harriot College of Arts and Sciences

Department of Foreign Languages and Literatures

BS in Hispanic Studies Education

See Section 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **126 s.h.** of credit as follows:

1. Foundations curriculum plus special requirements for licensure (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*) including those listed below - 42 s.h.

   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   FORL 2665. Don Quixote (3) (FC:HU) or FORL 2666. Latino Texts (3) (FC:HU)
   HIST 1030. World Civilizations to 1500 (3) (WI*) (F,S,SS) (FC:HU) or HIST 1552. Honors, World History to 1500 (3) (F) (FC:HU)
   HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:SO)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)

2. Core - 36 s.h.

   SPAN 2110. Cultural Readings in Spanish (3) (P: SPAN 1004 or consent of dept chair)
   SPAN 2222. Intermediate Spanish Conversation (3) (P: Minimum grade of B in SPAN 1004 or consent of dept chair; RC: SPAN 2330) or SPAN 3220. Advanced Oral Communication Through Multimedia (3) (P: SPAN 2222 or consent of dept chair)
   SPAN 2330. Intermediate Composition and Review of Grammar (3) (P: Minimum grade of B in SPAN 1004 or consent of dept chair; RC: SPAN 2222)
   SPAN 2440. Spanish Culture and Civilization (3) (W1*) (P: SPAN 2222 or 2330 or consent of dept chair)
   SPAN 2441. Latin-American Culture and Civilization (3) (P: SPAN 2222 or 2330 or consent of dept chair)
   SPAN 2550. Approaches to the Study of Hispanic Literature (3) (FC:HU) (P: SPAN 2222 or 2330 or consent of dept chair)
   SPAN 3225. Spanish Phonetics (3) (P: SPAN 2222 or 2330 or consent of dept chair)
SPAN 3330. Advanced Composition (3) (WI) (P: SPAN 2222 or 3220; SPAN 2330)
SPAN 3335. Structure of the Spanish Language (3) (P: SPAN 3330 or consent of dept chair)

Choose 9 s.h. of SPAN electives above 2999, including 6 s.h. from the following (with a minimum number from each area as designated below):

Choose a minimum of 3 s.h. from:
SPAN 4555. Medieval Spain (900-1499) (3) (WI) (FC:HU) (P: SPAN 2440, 2550; or consent of dept chair)
SPAN 4556. Renaissance and Baroque Spain (1500-1681) (3) (FC:HU) (P: SPAN 2440, 2550; or consent of dept chair)
SPAN 4557. Spain from Neoclassicism to Realism (1681-1898) (3) (FC:HU) (P: SPAN 2440, 2550; or consent of instructor)
SPAN 4558. Contemporary Spain (1898-Present) (3) (FC:HU) (P: SPAN 2440, 2550; or consent of instructor)

Choose a minimum of 3 s.h. from:
SPAN 4560. Major Latin-American Authors (3) (FC:HU) (P: SPAN 2441, 2550; or consent of dept chair)
SPAN 4561. Latin-American Texts of the Pre-Columbian and Colonial Periods (3) (FC:HU) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)
SPAN 4562. Latin-American Texts of the Nineteenth and Early Twentieth Centuries (3) (FC:HU) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)
SPAN 4563. Latin-American Texts: The Boom and Beyond (3) (FC:HU) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)

http://www.ecu.edu/cs-acad/ugcat/geography.cfm

Thomas Harriot College of Arts and Sciences

Department of Geography

BS in Applied Geography

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

1. Foundations curriculum (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.) - 42 s.h.

   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
2. Core (Choose a minimum of 27 s.h. in geography above 2999, including a maximum of 3 s.h. of supervised study in each of the categories below.) - 43 s.h.

ENGL 3820. Scientific Writing (3) (WI) (F,S) (P: ENGL 1200) or ENGL 3860. Introduction to Nonfiction Writing (3) (F,S) (P: ENGL 1200) or ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200) or ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
GEOG 2400. Spatial Data Analysis (3) (F,S)
GEOG 2410. Fundamentals of GIS (3) (F,S) (Formerly GEOG 3410)
GEOG 4801, 4802, 4803. Geography Internship (1,2,3) (F,S,SS) (P: Consent of GEOG internship director semester prior to internship)
GEOG 4999. Geography Professional Seminar (1) (P: Consent of instructor)

http://www.ecu.edu/cs-acad/ugcat/geography.cfm

Thomas Harriot College of Arts and Sciences

Department of Geography

BS in Applied Atmospheric Science

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

1. Foundations curriculum (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.) - 42 s.h.

MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: 1260 or 2360)
PHYS 2350, 2360. University Physics (4,4) (F,S,SS) (FC:SC) (P: MATH 2121 or 2171; P for PHYS 2360: PHYS 2350)

2. Core - 38 s.h.

GEOG 1300. Weather and Climate (4) (F, S)
GEOG 2250. Earth Surface Systems (3) (F)
GEOG 2400. Spatial Data Analysis (3) (F,S)
GEOG 2410. Fundamentals of GIS (3) (F,S) (Formerly GEOG 3410)
GEOG 3230. Global Climates (3) (S) (P: GEOG 1300, MATH 1065; or consent of instructor)
GEOG 3420. Remote Sensing of the Environment I (3) (F) (P: GEOG 2410)
GEOG 3510. Physical Meteorology (3) (F) (P: GEOG 1300, MATH 1065; or consent of instructor)
GEOG 3520. Dynamic Meteorology (3) (S) (P: GEOG 1300, MATH 2172; PHYS 2360; or consent of instructor)
GEOG 3550. Principles of Synoptic Meteorology (3) (F) (P: GEOG 3520; or consent of instructor)
GEOG 4510. Meteorological Instruments and Observations (3) (F) (P: GEOG 1300, MATH 1065; or consent of instructor)
GEOG 4525. Dynamic Meteorology II (3) (F) (P: GEOG 3520, MATH 4331; or consent of instructor)
GEOG 4550. Applied Synoptic Meteorology: Analyses and Forecasting (3) (S) (P: GEOG 3550; or consent of instructor)
GEOG 4999. Geography Professional Seminar (1) (P: Consent of instructor)

http://www.ecu.edu/cs-acad/ugcat/geography.cfm

Thomas Harriot College of Arts and Sciences

Department of Geography

BS in Geographic Information Science and Technology

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

1. Foundations curriculum (See Section 4, Foundations Curriculum Requirements for All Baccalaureate Degree Programs), including those listed below - 42 s.h.
   
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)

2. Common Core - 31 s.h.

   GEOG 2400. Spatial Data Analysis (3) (F,S)
   GEOG 2410. Fundamentals of GIS (3) (F,S) (Formerly GEOG 3410) or PLAN 3051. Introduction to GIS in Planning (3) (F)
   GEOG 3420. Remote Sensing of the Environment I (3) (F) (P: GEOG 2410 or equivalent)
   GEOG 3430. Geographic Information Systems I (3) (F,S) (P: GEOG 2410)
   GEOG 3450. Introduction to the Global Positioning System (3) (S) (P: GEOG 2410 or equivalent)
GEOG 3460. GIS Applications Programming (3) (F) (P: GEOG 2410; BITE 2212 or CSCI 1610 or ITEC 2000 or MIS 2223 or consent of instructor)
GEOG 4410. Advanced Cartographic Design and Production (3) (F,S) (P: GEOG 2410 or equivalent)
GEOG 4420. Remote Sensing II (3) (S) (P: GEOG 3420 or consent of instructor)
GEOG 4430. Geographic Information Systems II (3) (S) (P: GEOG 3430 or consent of instructor)
GEOG 4450. GIScience, Society, and Technology (3) (S) (P: GEOG 2410, 3420, 3430; or consent of instructor)
GEOG 4999. Geography Professional Seminar (1) (F, S) (P: Consent of instructor)

http://www.ecu.edu/cs-acad/ugcat/geology.cfm

Thomas Harriot College of Arts and Sciences

Department of Geological Sciences

Stephen J. Culver, Chairperson, 101 Graham Building

BS in Geology

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

1. Foundations curriculum (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.) - 42 s.h.
2. Core - 39 s.h.

GEOL 1500. Dynamic Earth (3) (F,S,SS) (FC:SC) and GEOL 1501. Dynamic Earth Laboratory (1) (F,S,SS) (FC:SC)
GEOL 1600. Earth and Life Through Time (4) (F,S) (FC:SC)
GEOL 3050, 3051. Mineralogy and Petrology I (4,0) (F) (P: A 1000-level GEOL course; RP: CHEM 1150, 1151; GEOL 1500, 1501)
GEOL 3150, 3151. Mineralogy and Petrology II (4,0) (S) (P: GEOL 3050, 3051; P/C: CHEM 1150, 1151)
GEOL 3200, 3201. Introduction to Field Methods (2,0) (F) (P: GEOL 1600)
GEOL 3300, 3301. Structural Geology (4,0) (S) (P: GEOL 3200, 3201)
GEOL 4000. Summer Field Course in Geology (6) (SS) (P: GEOL 3050, 3051, 3300, 3301)
GEOL 4010, 4011. Sedimentology (4,0) (WI) (F) (P: GEOL 1600, 3050, 3051)
GEOL 4020, 4021. Stratigraphy (3,0) (WI) (S) (P: GEOL 1600)
GEOL 4200, 4201. Paleontology (4,0) (4200:WI) (S) (P: GEOL 1600)

3. Concentration areas (Choose one.) - 7 s.h.

Coastal and Marine Geology (Choose 7 s.h. from the following.):
GEOL 1550. Oceanography (4) (F,S) (FC:SC)
GEOL 5300. Geology of Coastal Processes and Environments (3) (P: GEOL 1550, 4010, 4011; or consent of instructor)
GEOL 5350. Marine Geology (3) (P: GEOL 1550, 4010, 4011; or consent of instructor)
Or other approved GEOL courses
Environmental Geology (Choose 7 s.h. from the following.):
GEOL 1700. Environmental Geology (4) (F,S) (FC:SC)
GEOL 5150. The Geologic Component of Environmental Science (3) (P: Introductory GEOL course or consent of instructor)
GEOL 5450. Introduction to Aqueous Geochemistry (3) (P: CHEM 1150, 1151, 1160, 1161)
GEOL 5710, 5711. Ground-Water Hydrology (3,0) (P: GEOL 1500, 1501; or consent of instructor.
Or other approved GEOL courses
General Geology:
Choose 7 s.h. from any combination of GEOL courses. At least one course must be above 2999.

4. Cognates - 28 s.h.

CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C: MATH 1065; C for 1150: CHEM 1151; C for 1151: CHEM 1150)
CHEM 1160, 1161. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
Choose 9 s.h. of approved courses in calculus, statistics, and/or computer applications
Choose 8 s.h. of approved BIOL, CHEM, and/or PHYS courses

5. Electives to complete requirements for graduation.

NOTE: Students who plan to pursue graduate degrees in geology should complete a year of physics and a year of calculus.
Thomas Harriot College of Arts and Sciences

Department of Physics

John Sutherland, Chair, S-209 Howell Science Complex

Proficiency Requirements

A minimum grade of C in PHYS 2350 and 2360 is required before a student may take any physics course for which PHYS 2360 is prerequisite.

BA in Physics

The BA is designed for students interested in employment in nontechnical fields or in graduate study in the social sciences, medicine, public health, business, and the humanities depending on elective choices. Minimum degree requirement is 126 s.h. of credit as follows:

1. Foundations curriculum (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.
   - MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or equivalent
2. Foreign language through level 1004 - 12 s.h.
3. Core - 19 s.h.
   - PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2360)
   - PHYS 2350, 2360. University Physics (4,4) (FC:SC) (P for 2350: MATH 2121, 2151 or 2171; P for 2360: PHYS 2350)
   - PHYS 3700, 3701. Advanced Laboratory (3,0) (3700:WI) (S) (P: PHYS 2360)
   - PHYS 4416. Modern Physics I (3) (F) (P: PHYS 2360)
   - PHYS 4417. Modern Physics II (3) (S) (P: PHYS 4416)
4. Cognates - 15 s.h.
   - MATH 1083. Introduction to Functions (3) (F,S,SS) (FC:MA) (P: MATH 1065 with a minimum grade of C)
   - MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (FC:MA) (P for 2171: minimum grade of C in any of MATH 1083, 1085, 2122; P for 2172: MATH 2171 with a minimum grade of C or 2122 with consent of instructor; P for 2173: MATH 2172 with a minimum grade of C)
5. Minor and electives to complete requirements for graduation.

BS in Physics
The BS is a traditional physics program designed for students interested in graduate study in physics or engineering. Minimum degree requirement is **126 s.h.** of credit as follows:

1. Foundations curriculum (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*) including those listed below - 42 s.h.
   - CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C: MATH 1065; C for 1150: CHEM 1151; C for 1151: CHEM 1150)
   - CHEM 1160, 1161. General Chemistry and Laboratory II (3,1) (F,S,SS) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
   - MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or equivalent

2. Core - 40 s.h.
   - PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2360)
   - PHYS 2350, 2360. University Physics (4,4) (FC:SC) (P for 2350: MATH 2121, 2151 or 2171; P for 2360: PHYS 2350)
   - PHYS 3700, 3701. Advanced Laboratory (3,0) (3700:WI) (F) (P: PHYS 2360)
   - PHYS 4120. Thermodynamics (3) (S-OY) (P: PHYS 2360)
   - PHYS 4226. Mechanics I (3) (F) (P: MATH 2173; PHYS 2360)
   - PHYS 4310. Modern Optics (3) (F-EY) (P: PHYS 2360)
   - PHYS 4326. Electricity and Magnetism I (3) (F) (P: PHYS 2360)
   - PHYS 4416. Modern Physics I (3) (F) (P: PHYS 2360)
   - PHYS 4417. Modern Physics II (3) (S) (P: PHYS 4416)
   - PHYS 4560. Mathematical Methods for Physics (3) (S) (P: MATH 2173; PHYS 2360)
   - PHYS 4610. Electronics (3) (F-OY) (P: PHYS 2021, 2360)
   Choose 3 s.h. of PHYS electives above 2999

3. Cognates - 18 s.h.
   - MATH 1083. Introduction to Functions (3) (F,S,SS) (FC:MA) (P: MATH 1065 with a minimum grade of C)
   - MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (FC:MA) (P for 2171: minimum grade of C in any of MATH 1083, 1085, 2122; P for 2172: MATH 2171 with a minimum grade of C or 2122 with consent of instructor; P for 2173: MATH 2172 with a minimum grade of C)
   - MATH 4331. Introduction to Ordinary Differential Equations (3) (F,S) (P: MATH 2173)

4. Electives to complete requirements for graduation.

**BSAP (BS in Applied Physics)**
The BSAP is designed for students interested in employment in technical fields or in graduate study in engineering, business, public health, medicine, environmental science, and related technical fields depending on elective choices. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum** (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*) including those listed below - 42 s.h.
   
   CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C: MATH 1065; C for 1150: CHEM 1151; C for 1151: CHEM 1150)
   CHEM 1160, 1161. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or equivalent

2. **Core - 28 s.h.**
   
   PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2360)
   PHYS 2350, 2360. University Physics (4,4) (FC:SC) (P for 2350: MATH 2121, 2151 or 2171; P for 2360: PHYS 2350)
   PHYS 3700, 3701. Advanced Laboratory (3,0) (3700:WI) (F) (P: PHYS 2360)
   PHYS 4310. Modern Optics (3) (P: PHYS 2360)
   PHYS 4416. Modern Physics I (3) (F) (P: PHYS 2360)
   PHYS 4417. Modern Physics II (3) (S) (P: PHYS 4416)
   PHYS 4610. Electronics (3) (F-OY) (P: PHYS 2021, 2360)
   Choose 3 s.h. of PHYS electives above 2999

http://www.ecu.edu/cs-acad/ugcat/psychology.cfm

**Thomas Harriot College of Arts and Sciences**

**Department of Psychology**

*Kathleen A. Row, Chairperson, 132 Rawl Building*

**BA in Psychology**

In order to declare a major in psychology, an undergraduate must have a minimum cumulative GPA of 2.0 and at least a grade of "C" in PSYC 1000 or 1060. A faculty advisor will be assigned to each student to aid in planning an overall program. A student desiring to minor in psychology should consult the major department faculty advisor or the director of undergraduate studies of
the Department of Psychology to determine the most appropriate sequence of courses for the minor. Undergraduate students majoring in psychology are encouraged to minor in biology, business, chemistry, child development and family relations, mathematics, philosophy, or sociology or to take a composite minor approved by the faculty advisor and chairperson. Minimum degree requirement is 126 s.h. of credit as follows:

1. Foundations curriculum (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.
   
   - MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on math placement test or approval of dept chair)

2. Foreign language through level 1004 - 12 s.h.

3. Core - 35 s.h.
   
   - PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO) or PSYC 1060. Honors Introduction to Psychology (3) (F,S) (FC:SO) Minimum grade of "C" required.
   - PSYC 2101. Psychological Statistics (4) (F,S,SS) (FC:SO) (P: MATH 1065 or MATH 1066)
   - PSYC 2210. Research Methods in Psychology (4) (WI) (F,S) (FC:SO) (P: MATH 1065 or MATH 1066; PSYC 2101)

http://www.ecu.edu/cs-acad/ugcat/clinicallab.cfm

College of Allied Health Sciences

Department of Clinical Laboratory Science

Kathleen M. Schulman, Acting Chair, 3410E, Health Sciences Building

BS in Clinical Laboratory Science

A minimum cumulative 2.0 GPA in biology and chemistry courses is required for admission into the professional phase of the curriculum. Majors must maintain a minimum cumulative 2.0 GPA in all clinical laboratory science (CLSC) courses during the professional phase of the curriculum. A student earning a D in any of the CLSC courses must petition the Department of Clinical Laboratory Science for probationary continuation. Minimum degree requirement is 131 s.h. of credit as follows:
1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below. - 42 s.h.

CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C: MATH 1065; C for 1150: CHEM 1151; C for 1151: CHEM 1150)
CHEM 1160, 1161. General Chemistry and Laboratory II (3,1) (F,S,SS) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
Recommended:
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 2101. Psychological Statistics (4) (F,S,SS) (FC:SO) (P: MATH 1065 or MATH 1066)

2. Core - 67 s.h.

CLSC 3410. Hematology I (3) (F) (P: CLSC major)
CLSC 3411. Hematology I Laboratory (1) (F) (P: CLSC major; C: CLSC 3410)
CLSC 3420. Hematology II (3) (S) (P: CLSC major; CLSC 3410, 3411; or consent of instructor)
CLSC 3421. Hematology II Laboratory (1) (S) (P: CLSC major; CLSC 3410, 3411; or consent of instructor)
CLSC 3430. Clinical Immunology (2) (F) (P: Consent of instructor)
CLSC 3440, 3441. Clinical Microscopy and Serology Lecture and Laboratory (2,1) (SS) (P: CLSC 3430)
CLSC 4210, 4211. Immunohematology Lecture and Laboratory (3,1) (SS) (P: CLSC 3430; consent of instructor)
CLSC 4430, 4431. Clinical Chemistry I (2,1) (F) (P: 4 courses in CHEM; PSYC 2101 or other statistics course; P for nonmajor: consent of instructor)
CLSC 4440, 4441 Clinical Chemistry II (4,2) (S) (P: CLSC 4430, 4431; P for nonmajor: consent of instructor)
CLSC 4460, 4461. Clinical Microbiology I (4,2) (F) (P: BIOL 2110, 2111; or 3220, 3221; or consent of instructor)
CLSC 4470, 4471. Clinical Microbiology II (3,2) (S) (P: CLSC 4460, 4461; or consent of instructor)
CLSC 4480, 4481. Clinical Microbiology III (2,1) (SS) (P: Consent of instructor)
CLSC 4491. Molecular Diagnostics in Clinical Laboratory Science I (1) (F) (P: Consent of instructor)
CLSC 4492. Molecular Diagnostics in Clinical Laboratory Science II (1) (S) (P: CLSC 4491; consent of instructor)
CLSC 4801. Professional Practice Issues I (3) (WI) (F) 3 lecture hours per week. P: CLSC major.
CLSC 4802. Professional Practice Issues II (4) (S) 4 lecture hours per week. P: CLSC major.
CLSC 4803. Introduction to Clinical Laboratory Information Systems (2) (S) (P: CLSC major or consent of instructor)

**CLSC 4992. Clinical Education–Hematology, Coagulation, Urinalysis (4) (F,S) (P: CLSC 3420, 3421)

**CLSC 4993. Clinical Education–Chemistry (4) (F,S) (P: CLSC 4440, 4441)

**CLSC 4994. Clinical Education–Blood Bank and Serology (4) (F,S) (P: CLSC 4210, 4211)

**CLSC 4997. Clinical Education–Microbiology (4) (F,S) (P: CLSC 4470, 4471)

http://www.ecu.edu/cs-acad/ugcat/CommSciDisorder.cfm

**College of Allied Health Sciences**

**Department of Communication Sciences and Disorders**

*Gregg D. Givens, Chair, 3310W Health Sciences Building*

**BS in Speech and Hearing Sciences**

The undergraduate program emphasizes the normal processes of speech, hearing, and language and allows the student to explore other academic areas of interest. Since the master’s degree is the minimum level of preparation for persons seeking professional careers in this field, the BS degree does not qualify the student to work professionally but is designed to prepare the student for graduate studies. Admission to the university does not assure admission to the program. Students are initially admitted to the General College. In order to be considered for admission to the program, the student must have a minimum cumulative 3.0 GPA and must have completed CSDI 2100 with a minimum grade of B, and be interviewed prior to formal admission into the program. These requirements are generally completed by the end of spring semester of the sophomore year. Majors must maintain a cumulative 3.0 GPA for all required CSDI courses. A major earning a D in any CSDI course must petition the Department of Communication Sciences and Disorders for probationary continuation and will be required to repeat the course. Minimum degree requirement is 121 s.h. of credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*) including those listed below - 42 s.h.

   - BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
   - BIOL 1051. General Biology Laboratory (1) (F,S,SS) (FC:SC)
   - MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
   - PHYS 1050. Physics and the Environment (4) (F,S,SS) (FC:SC)
   - PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
2. Core - 30 s.h.

CSDI 2100. Introduction to Communication Disorders (3) (F,S,SS)
CSDI 3010. Phonetics (3) (F) (P: CSDI major or minor; CSDI 2100; PSYC 1000; or consent of instructor)
CSDI 3020. Language Development (3) (F) (P: CSDI major or minor; CSDI 2100; PSYC 1000; or consent of instructor)
CSDI 3030. Speech Science: Anatomy, Physiology, and Acoustics (3) (F) (P: BIOL 1050, 1051; CSDI 2100; or consent of instructor)
CSDI 3050. Acquisition and Development of Phonology and Articulation (3) (S) (P: CSDI 3010, 3030; or consent of instructor)
CSDI 3105. Hearing Science (3) (F) (P: CSDI 3030; PHYS 1050; or consent of instructor)
CSDI 4100. Introduction to Audiology (3) (S) (P: CSDI 3030 or consent of instructor)
CSDI 4110. Aural Rehabilitation (3) (S) (P: CSDI 4100 or consent of instructor)
CSDI 4335. Apprenticeship (3) (WI) (S) (P: CSDI major; consent of dept director of undergraduate studies; minimum of 25 hours of observation of treatment as administered or supervised by ASHA certified speech-language pathologist/audiologist; CSDI 3020, 4100, 5010)
CSDI 5010. Procedures in Clinical Management (3) (F) (P: CSDI major; CSDI 3020, 3050, 3105; or consent of instructor)

http://www.ecu.edu/cs-acad/ugcat/HIMA.cfm

College of Allied Health Sciences

Department of Health Services and Information Management

Xiaoming Zeng, Chair, 3206H Health Sciences Building

BS in Health Information Management

Note: Due to projected changes in the certification requirements of the Council on Certification of the American Health Information Management Association, this bachelor’s program will be discontinued. The last semester for matriculation of part-time students into the program is Fall 2010. The last semester for matriculation of full-time students into the program is Fall 2011. Students should plan to complete this bachelor of science in health information management by May 2013.

A minimum 2.5 GPA is required for admission to the professional phase (junior and senior levels) of the health information management curriculum. See health information management admission packet for specific admission information. Majors must earn a minimum grade of C in
all foundations, cognate and core courses before progressing on to subsequent courses in the HIMA curriculum. A student earning a D in any of these courses must petition the Department of Health Services and Information Management for probationary continuation and may be required to repeat the course. Three D or F grades will result in dismissal from the HIMA program. Appeals of dismissals must be made in writing to the Student Affairs Committee of the Department of Health Services and Information Management. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum requirements** (For information about courses that carry foundations curriculum credit see [Liberal Arts Foundations Curriculum](#)) including those listed below 42 s.h.

   - BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (FC:SC) (P: BIOL 1050, 1051; or BIOL 1100, 1101)
   - BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (FC:SC) (P/C: BIOL 2130)
   - MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
   - Recommended: ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)

2. **Core - 71 s.h.**

   - HIMA 3000. Medical Terminology for Health Professionals (3) (F,S,SS)
   - HIMA 3032. Record Documentation Systems (3) (S) (P: HIMA major; HIMA 3120)
   - HIMA 3113. Applied Medical Sciences I (3) (F) (P: BIOL 2130, 2131; HIMA major; or consent of instructor)
   - HIMA 3118. Applied Medical Sciences II (3) (S) (P: HIMA 3113)
   - HIMA 3120. Health Care Delivery Systems (3) (F) (P: HSMA 2000; P/C: HSMA 3030 or consent of instructor)
   - HIMA 3142. Diagnostic and Procedural Coding (3) (S, SS) (P/C: HIMA major; BIOL 2130, 2131; HIMA 3118)
   - HIMA 3148. Health Service Coding (3) (F) (P: HIMA 3120, 3142)
   - HIMA 4030. Quality Management in Health Care (3) (S) (P: HIMA 3113, 3120, or consent of instructor)
   - HIMA 4075. Applied Health Services Research (3) (WI) (F) (P: BIOS 1500; HIMA 3120)
   - HIMA 4081. Directed Independent Project (1) (F,S,SS) (P: HIMA major; consent of instructor)
   - HIMA 4138. Health Data Structures (3) (S) (P: HIMA 3120)
   - HIMA 4153. Management of Health Information Services Department (3) (WI) (F) (P: HSMA 3050, 4055)
   - HIMA 4160. Concepts in Health Information Technology (3) (F) (P: MIS 2223)
   - HIMA 4165. Health Information Systems (3) (S) (P: HIMA 4160)
   - HSMA 2000. Professional Roles and Environments in Health Care (3) (SL*) (F,S,SS)
HSMA 3020. Health Care Payment Systems (3) (S) (P: HSMA 2000; P/C: HIMA 3120; HSMA 3030 or consent of instructor; HSMA 3035)
HSMA 3025. Professional Ethical Codes and Law in Health Care (3) (F) (P: HSMA 2000; P/C: HSMA 3030; or consent of instructor)
HSMA 3030. Written Communication and Documentation in Health Care (4) (WI) (F) (P: HSMA 2000)
HSMA 3035. Interpersonal Team Skills for Health Care Supervisors and Practitioners (3) (S) (P: HSMA 2000; P/C: HSMA 3030 or consent of instructor)
HSMA 3050. Leadership in Health Care (3) (F) (P/C: HSMA 3030)
HSMA 4010. Health Information Management (3) (F) (P: HIMA 3120; HSMA 3035)
HSMA 4050. Personnel Management and Supervision in Health Care (3) (S) (P: HIMA 3120; HSMA 3035; or consent of instructor)
HSMA 4055. Health Care Finance and Accounting (3) (F,SS) (P: HIMA 3120; HSMA 3035)
HSMA 4905. Allied Health Management Experience (5) (S) (P: Senior standing, consent of advisor, and within 15 s.h. of completing degree program)

3. Cognates - 7 s.h.

MIS 2223. Introduction to Computers (3) (F,S,SS)
BIOS 1500. Introduction to Biostatistics (3) (F,S) (P: MATH 1065 or equivalent or consent of instructor)

4. Electives to complete requirements for graduation.

**BS in Health Services Management**

Admission to the BS in health services management program requires a minimum cumulative GPA of 2.5 and an application. Applications should be submitted when the student is nearing completion of foundations curriculum requirements. Undergraduate students interested in pursuing master’s level professional degrees in allied health disciplines are encouraged to seek academic advisement as freshmen. Majors must earn a minimum grade of C in all foundations curriculum, cognate and core courses before progressing on to subsequent courses in the HSMA curriculum. A student earning a D in any of these courses must petition the Department of Health Services and Information Management for probationary continuation and may be required to repeat the course. Three D or F grades will result in dismissal from the HSMA program. Appeals of dismissals must be made in writing to the Student Affairs Committee of the Department of Health Services and Information Management. Minimum degree requirement is **126 s.h.** of credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see [Liberal Arts Foundations Curriculum](#) including those listed below - 42 s.h.

   BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (FC:SC) (P: BIOL 1050, 1051; or BIOL 1100, 1101)
2. Core - 40-43 s.h.

HIMA 3120. Health Care Delivery Systems (3) (F) (P: HSMA 2000; P/C: HSMA 3030 or consent of instructor)
HIMA 4030. Quality Management in Health Care (3) (S) (P: HIMA 3113, 3120, or consent of instructor)
HIMA 4075. Applied Health Services Research (3) (WI) (F) (P: BIOS 1500; HIMA 3120)
HSMA 2000. Professional Roles and Environments in Health Care (3) (SL*)(F,S,SS) (P: HSMA 3035 or consent of instructor; HSMA 3030)
HSMA 3020. Health Care Payment Systems (3) (S) (P: HSMA 2000; P/C: HIMA 3120; HSMA 3030 or consent of instructor; HSMA 3035)
HSMA 3025. Professional Ethical Codes and Law in Health Care (3) (F) (P: HSMA 2000; P/C: HSMA 3030; or consent of instructor)
HSMA 3030. Written Communication and Documentation in Health Care (4) (WI) (F) (P: HSMA 2000)
HSMA 3035. Interpersonal Team Skills for Health Care Supervisors and Practitioners (3) (S) (P: HSMA 2000; P/C: HIMA 3030 or consent of instructor)
HSMA 3050. Leadership in Health Care (3) (F) (P/C for major: HSMA 3030; P/C for minor: none)
HSMA 4010. Health Information Management (3) (F) (P: HIMA 3120; HSMA 3035)
HSMA 4050. Personnel Management and Supervision in Health Care (3) (S) (P: HIMA 3120; HSMA 3035; or consent of instructor)
HSMA 4055. Health Care Finance and Accounting (3) (F,SS) (P: HIMA 3120; HSMA 3035)
HSMA 4903, 4904, 4905, 4906. Allied Health Management Experience (3,4,5,6) (WI*) (S) (P: Senior standing, consent of advisor, and within 15 s.h. of completing degree program)

http://www.ecu.edu/cs-acad/ugcat/rehab.cfm

College of Allied Health Sciences

Department of Rehabilitation Studies
BS in Rehabilitation Services

Admission to the BS in rehabilitation services program requires a minimum cumulative 2.5 GPA from ECU and an application. Program admission is competitive and admission to the university and/or achieving a minimum 2.5 GPA does not guarantee admission to the rehabilitation services degree program. Applications should be submitted when the student is nearing completion of 42 s.h. A student may only apply for admission twice. Additional information and application for admission can be obtained from the Department of Rehabilitation Studies. Undergraduate students majoring in rehabilitation services are encouraged to minor in an established area consistent with individual academic and career goals or to take a composite minor of structured electives approved by the faculty advisor and departmental chairperson. Majors must earn a minimum grade of C in all REHB courses. Minimum degree requirement is 121 s.h. of credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below. - 42 s.h.

   - MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or equivalent

2. Core - 48 s.h.

   - BIOS 1500. Introduction to Biostatistics (3) (F,S) (P: MATH 1065 or equivalent or consent of instructor) or equivalent
   - HLTH 3010. Health Problems I (3) (F) (P: BIOL 2130 or 2140; HLTH 1000 or 1050; or consent of instructor)
   - PSYC 2275. Psychology of Adjustment (3) (F,S) (FC:SO)
   - PSYC 4375. Abnormal Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
   - PSYC 5325. Introduction to Psychological Testing (3) (F) (P: Statistics course; PSYC 1000 or 1060)
   - REHB 2000. Survey of Community Resources in Rehabilitation and Health Care (3) (SL) (F,S)
   - REHB 2003. Alcohol and Drug Abuse: Health and Social Problems (3) (F,S)
   - REHB 3000. Introduction to Rehabilitation (3) (F,S,SS)
   - REHB 3010. Case Management in Rehabilitation (3) (WI) (F,S) (P: REHB major)
   - REHB 4000. Interviewing Techniques for Health and Rehabilitation Settings (3) (F,S) (P: REHB major)
   - REHB 4993, 4994, 4995, 4996. Rehabilitation Services Internship (3,3,3,3) (F,S,SS) (WI*) (P: REHB major; REHB 3010, 4000; consent of instructor; 2.5 GPA)
   - SOCW 2010. Introduction to Social Work Practice with Special Populations (3) (F,S,SS) (P: SOCW 1010)
Choose 3 s.h. from:
REHB 4100. Occupational Analysis and Job Placement (3) (F,S) (P: REHB major)
REHB 4400. Introduction to Vocational Evaluation (3) (F,SS)

http://www.ecu.edu/cs-acad/ugcat/education.cfm

College of Education

Academic Concentrations

Chemistry (44 s.h.)
CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C: MATH 1065; C for 1150: CHEM 1151; C for 1151: CHEM 1150)
CHEM 1160, 1161. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
CHEM 2250, 2251. Quantitative and Instrumental Analysis (3,2) (WI, WI) (F,S) (P: CHEM 1150, 1151; CHEM 2650 or 2750)
CHEM 2650. Organic Chemistry for the Life Sciences (4) (F) (P: CHEM 1160, 1161)
CHEM 2651. Organic Chemistry Lab for the Life Sciences (1) (F) (C: CHEM 2650)
CHEM 3450. Elementary Inorganic Chemistry (3) (F,S) (P: CHEM 2250, 2251; C: CHEM 3451)
CHEM 3451. Elementary Inorganic Chemistry Laboratory (1) (WI) (F,S) (P: CHEM 2250, 2251; C: CHEM 3450 or 5550)
CHEM 3850, 3851. Introduction to Physical Chemistry (4,1) (WI, WI) (F,S) (P: CHEM 1160, 1161; MATH 2122 or 2172; PHYS 1260, 1261)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
MATH 2121. Calculus for the Life Sciences I (3) (F,S,SS) (FC:MA) (P: MATH 1065 or 1077 with a minimum grade of C)
MATH 2122. Calculus for the Life Sciences II (3) (F,S,SS) (P: MATH 2121)
PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (FC:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)
Choose recommended electives above 2999
College of Education

Academic Concentrations

Interdisciplinary Human Studies (18 s.h.)
Choose 9 s.h. from the following:
EXSS 2900. Teaching Skillful Movement (3) (F,S,SS) (P: EXSS 2323; P/C: EXSS 2202)
EXSS 3300. Applied Sports Psychology (3) (F) (P: PSYC 1000)
EXSS 3301. Physical Education and Sport in Modern Society (3) (F,SS) (P: Health and human performance major or minor, or consent of instructor)
EXSS 3900. Elementary School Instruction in Physical Education (3) (F,S) (P: Upper division status; EXSS 2122, 2500, 2600, 2900)
HLTH 3020. Health Disparities (3) (F,S,SS) (P: HLTH 1000 or 1050; 3010 or consent of instructor)
HLTH 3030. Health Behavior Theory (3) (WI) (S) (P: HLTH 1000 or 1050; PSYC 1000)
HLTH 4001. Stress Management: Principles and Practices (3) (S)
HLTH 5310. Education for Human Sexuality (3)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 4350. Psychology of Sexual Behavior (3) (F,S) (P: 6 s.h. of PSYC to include PSYC 1000 or 1060)
REHB 2003. Alcohol and Drug Abuse: Health and Social Problems (3) (F,S)
SOCI 1025. Courtship and Marriage (3) (F,S)
SOCI 3325. Sociology of Human Sexuality (3) (F,S,SS) (FC:SO) (P: SOCI 2110 or consent of instructor)
Choose 9 s.h. from the following:
BIOL 2130. Human Anatomy and Physiology (4) (F,S,SS) (FC:SC) (P: BIOL 1050, 1051; or 1100, 1101)
EHST 2110. Introduction to Environmental Health Science (3) (F,S)
EXSS 2202. Motor Learning and Performance (3) (F,S,SS)
EXSS 3805. Exercise Physiology (3) (F,S,SS) (P: BIOL 2130 or BIOL 2140, 2150; EXSS 2805)
EXSS 3850. Introduction to Biomechanics (3) (F, S, SS) (P: BIOL 2130 or BIOL 2140; EXSS 2850; PHYS 1250, 1251; or consent of instructor)
EXSS 3906. Physical Education for Special Populations (3) (F, S, SS) (P: Upper division status; EXSS 2323; SPED 2000; or consent of instructor)
EXSS 4804. Measurement and Evaluation in Exercise and Sport Science (3) (F,SS,SS) (P: Upper division status; EXSS 2323; MATH 1065; health and human performance major or minor or consent of chair)
EXSS 4805. Exercise Evaluation and Prescription Laboratory (1) (F,S,SS) (C: EXSS 4806)
EXSS 4806. Exercise Evaluation and Prescription (3) (WI) (F,S,SS) (P: Health and human performance major or minor; EXSS 3805; or consent of instructor; C: EXSS 4805)
HLTH 2125, 2126. First Aid and CPR (3,0) (F,S,SS) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)
HLTH 3010. Health Problems I (3) (F,S,SS) (P: BIOL 2130 or 2140; HLTH 1000 or 1050; or consent of instructor)
NUTR 1000. Contemporary Nutrition (3) or NUTR 2105. Nutrition (3)

Mathematics (18 s.h.)
MATE 1267. Functional Relationships (3) (S) (P: MATH 1065 or equivalent)
MATE 2067. Data and Probability Explorations (3) (F, S) (P: MATH 1065 or equivalent)
MATE 3067. Algebra and Number Foundations (3) (F, S) P: MATH 1065 or equivalent.
MATE 3167. Geometry and Measurement (3) (F, S) (P: MATH 1065 or equivalent)
MATE 3267. Concepts in Discrete Mathematics (3) (S) (P: MATE 3067)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)

Mathematics (24 s.h.)
MATE 1267. Functional Relationships (3) (S) (P: MATH 1065 or equivalent)
MATE 2067. Data and Probability Explorations (3) (F, S) (P: MATH 1065 or equivalent)
MATE 3067. Algebra and Number Foundations (3) (F, S) (P: MATH 1065 or equivalent)
MATE 3167. Geometry and Measurement (3) (F, S) (P: MATH 1065 or equivalent)
MATE 3267. Concepts in Discrete Mathematics (3) (S) (P: MATE 3067)
MATE 3367. Mathematical Modeling (3) (S) (P: MATE 1267, 2267, 3067, and 3167)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
MATH 2119. Elements of Calculus (3) (F,S,SS) (FC:MA) (P: Minimum grade of C in MATH 1065 or MATH 1066).

Philosophy (24 s.h.)
PHIL 1110. Introduction to Philosophy (3) (WI*) (F,S,SS) (FC:HU)
PHIL 1175. Introduction to Ethics (3) (WI*) (F,S,SS) (FC:HU)
PHIL 1500. Introduction to Logic (3) (F,S,SS) (FC:HU) (FC:MA)
PHIL 4270. Ethics (3) (WI*) (FC:HU) (P: 6 s.h. in PHIL or consent of instructor)
Choose 12 s.h. PHIL electives above 2999

Physics (33 s.h.)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
MATH 2121. Calculus for the Life Sciences I (3) (F,S,SS) (FC:MA) (P: MATH 1065 or 1077 with a minimum grade of C)
MATH 2122. Calculus for the Life Sciences II (3) (F,S,SS) (P: MATH 2121)
PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (FC:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)
PHYS 2021. Experimental Physics (1) (F-04) (P: PHYS 1261, 2260)
PHYS 2250, 2260, 2270. Advanced General Physics (3,3,3) (P: MATH 1085 or 2121; P/C: MATH 2122 or 2171)
Choose 6 s.h. PHYS electives above 2999

http://www.ecu.edu/cs-acad/ugcat/BCTE.cfm

College of Education

Department of Business and Information Technologies Education

BSBE in Business Education

See Licensure, above. Minimum degree requirement is 126 s.h. of credit as follows:

1. Foundations curriculum and special requirements for certification (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.

   ART 1910. Art Appreciation (3) (F,S,SS) (FC:FA) or MUSC 2208. Music Appreciation (2) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   HIST 1050. American History to 1877 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:SO) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:SO) (P: Appropriate score on mathematics placement test or approval of dept chair)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
   Choose a literature course (FC:HU)
   Choose a speech course (FC:FA)

2. Professional studies - 24 s.h.

   BITE 2123. Early Experiences for the Prospective Teacher (1) (F)
   BITE 4324. Internship in Career and Technical Education (10) (S) (P: Admission to upper division; C: BITE 4325)
   BITE 4325. Internship Seminar: Issues in Career and Technical Education (0) (S) (P: Admission to upper division; C: BITE 4324)
   EDUC 3002. Introduction to Diversity (3)
   EDUC 3200. Foundations of American Education (3) (WI*) (F,S,SS) (P: Early experience course or consent of instructor)
EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division; C: Senior I semester) or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent) READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS) SPED 4010. Effective Instruction in Inclusive Classrooms (2) (F,S) (RP: SPED 2000)

3. Common core - 48 s.h.

BITE 2212. Basic Programming for Business Applications (3) (F,S,SS) BITE 2311. Financial Information Systems I (3) (F,S,SS) BITE 2500. Electronic Information Processing II (3) (F,S,SS) BITE 3200. Distribution Technology I: Merchandising (3) (F,S,SS) BITE 3220. Business Communications (3) (WI) (F,S,SS) BITE 3228. Administrative Management (3) (F,S,SS) BITE 3311. Financial Information Systems II (3) (F,S,SS) BITE 3500. Electronic Information Processing III (3) (F,S,SS) BITE 4200. Microcomputer Business Applications (3) (F,S,SS) BITE 4323. Methods of Teaching Career and Technical Education (3) (F) P: Admission to upper division) BITE 4390. Consumer Financial Management (3) (WI) (F,S,SS) BITE 4400. Administration and Supervision of Career and Technical Education (3) (S,SS) BITE 4500. Information Processing Systems Design (3) (F,S,SS) BITE 4700. Web Site Design and Maintenance (3) (F,S,SS) FINA 2244. Legal Environment of Business (3) (F,S,SS) MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)

4. Academic concentration (See Academic Concentration. A maximum of 6 s.h. may be counted toward foundations curriculum requirements.) Business information education concentration recommended - 18 s.h.

5. Electives to complete requirements for graduation.

BSBE in Business and Marketing Education

See Licensure, above. Minimum degree requirement is 128 s.h. of credit as follows:

1. Foundations curriculum and special requirements for certification (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.

   ART 1910. Art Appreciation (3) (F,S,SS) (FC:FA) or MUSC 2208. Music Appreciation (2) (F,S,SS) (FC:FA) ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
HIST 1050. American History to 1877 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO)

MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

Choose a literature course (FC:HU)
Choose a speech course (FC:FA)

2. Professional studies - 24 s.h.

BITE 2123. Early Experiences for the Prospective Teacher (1) (F)
BITE 4324. Internship in Career and Technical Education (10) (S) (P: Admission to upper division; C: BITE 4325)
BITE 4325. Internship Seminar: Issues in Career and Technical Education (0) (S) (P: Admission to upper division; C: BITE 4324)
EDUC 3002. Introduction to Diversity (3)
EDUC 3200. Foundations of American Education (3) (WI*) (F,S,SS) (P: Early experience course or consent of instructor)
EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division; C: Senior I semester) or PSYC 3205. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)
READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)
SPED 4010. Effective Instruction in Inclusive Classrooms (2) (F,S) (RP: SPED 2000)

3. Common core - 51 s.h.

BITE 2212. Basic Programming for Business Applications (3) (F,S,SS)
BITE 2311. Financial Information Systems I (3) (F,S,SS)
BITE 2500. Electronic Information Processing II (3) (F,S,SS)
BITE 3200. Distribution Technology I: Merchandising (3) (F,S,SS)
BITE 3220. Business Communications (3) (WI) (F,S,SS)
BITE 3228. Administrative Management (3) (F,S,SS)
BITE 3301. Distribution Technology II: Promotion (3) (F,S,SS) (P: BITE 3200)
BITE 3302. Distribution Technology III: Selling (3) (F,S,SS)
BITE 3311. Financial Information Systems II (3) (F,S,SS)
BITE 4200. Microcomputer Business Applications (3) (F,S,SS)
BITE 4323. Methods of Teaching Career and Technical Education (3) (F) (P: Admission to upper division)
BITE 4390. Consumer Financial Management (3) (WI) (F,S,SS)
BITE 4400. Administration and Supervision of Career and Technical Education (3) (S,SS)
BITE 4500. Information Processing Systems Design (3) (F,S,SS) (Formerly ASIP 4500)
BITE 4700. Web Site Design and Maintenance (3) (F,S,SS)
FINA 2244. Legal Environment of Business (3) (F,S,SS)
MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)

4. Academic concentration (See Academic Concentration. A maximum of 6 s.h. may be counted toward foundations curriculum requirements.) Business information technologies concentration recommended - 18 s.h.
5. Electives to complete requirements for graduation.

BSBE in Information Technologies

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

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.

   ART 1910. Art Appreciation (3) (F,S,SS) (FC:FA) or MUSC 2208. Music Appreciation (2) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   HIST 1050. American History to 1877 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   Choose a literature course (FC:HU)
   Choose a speech course (FC:FA)

2. Core - 76 s.h.

   BITE 1500. Electronic Information Processing I (3) (F,S,SS)
   BITE 2112. Introduction to Information Processing Technology (3) (F,S,SS)
   BITE 2212. Basic Programming for Business Applications (3) (F,S,SS)
   BITE 2311. Financial Information Systems I (3) (F,S,SS)
   BITE 2500. Electronic Information Processing II (3) (F,S,SS)
   BITE 3200. Distribution Technology I: Merchandising (3) (F,S,SS)
   BITE 3220. Business Communications (3) (WI) (F,S,SS)
   BITE 3228. Administrative Management (3) (F,S,SS)
   *BITE 3291, 3292, 3294, 3294. Internship: Supervised Work Experience (1,2,3,4) (F,S,SS) (May be taken in any combination for a maximum of 4 s.h.)
   BITE 3301. Distribution Technology II: Promotion (3) (F,S,SS) (P: BITE 3200)
BITE 3311. Financial Information Systems II (3) (F,S,SS)
BITE 3500. Electronic Information Processing III (3) (F,S,SS)
BITE 4100. Introduction to Virtual Environments in Business and Information Technology Education (3) (F,S)
BITE 4200. Microcomputer Business Applications (3) (F,S,SS)
BITE 4300. Administrative Office Procedures (3) (F,S,SS) or BITE 4435. Instructional Strategies for Technical Training (3) (F,S,SS)
BITE 4390. Consumer Financial Management (3) (WI) (F,S,SS)
BITE 4500. Information Processing Systems Design (3) (F,S,SS) or MIS 3063. Introduction to Management Information Systems (3) (F,S,SS) (P: ACCT 2521)
BITE 4700. Web Site Design and Maintenance (3) (F,S,SS)
BITE 5200. Microcomputer Business Graphics Applications (3) (F,S,SS) (P: BITE 4200 or consent of instructor) or MIS 4133. Information Systems Management (3) (WI) (F,S) (P: MIS 3063)
FINA 2244. Legal Environment of Business (3) (F,S,SS)
MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)
PSYC 3221. Social Psychology (3) (F,S,SS) (FC: SO) or PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC: SO)
Choose 9 s.h. major electives above 2999
*Students who have met work experience requirement should take 4 s.h. of electives in the major.

3. General electives to complete requirements for graduation.

http://www.ecu.edu/cs-acad/ugcat/CurrInstr.cfm

College of Education

Department of Curriculum and Instruction

Carolyn Cox Ledford, Interim Chair, 122 Speight Building

The mission of the Department of Curriculum and Instruction is to prepare pre-service and in-service teachers in the areas of elementary education, English education, history education, middle grades education, and special education. The department faculty is committed to providing comprehensive programs, rich in clinical experiences, and designed to produce teachers who are reflective practitioners who provide professional service to the community, the state, and the nation. Bachelor of science degrees are offered in elementary education, English education, history education, middle grades education, and in two areas of special education: general curriculum and adapted curriculum. The reading, foundations, and research program areas are also housed within the Department of Curriculum and Instruction and provide support
for the university's teacher education programs.

**Reading Center**

The Reading Center is designed to aid college students with reading difficulties. READ 1031, 1 s.h. credit, is an individualized course designed to increase reading power, efficiency, and study skills.

**BS in Elementary Education (K-6)**

See Licensure, above. Minimum degree requirement is **128 s.h.** of credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*) including those listed below. - 42 s.h.

   ANTH 1000. Introduction to Anthropology (3) (F,S,SS) (FC:SO) or ANTH 2005. Environmental Anthropology (3) (S) (FC:SO) or ANTH 2010. Societies Around the World (3) (F,S,SS) (FC:SO) or ETHN 2002. Introduction to Ethnic Studies: Social Science (3) (FC:SO) or SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO) or POLS 1010. National Government (3) (F,S,SS) (FC:SO) ART 3850. Art in the Elementary School (3) (F,S,SS) (FC:FA) (P: Junior standing) ENGL 1100. Composition (3) (WI) (F,S,SS) (FC:EN) ENGL 1200. Composition (3) (WI) (F,S,SS) (FC:EN) (P: ENGL 1100) EXSS 1000. Lifetime Physical Activity and Fitness Laboratory (1) (F,S,SS) (FC:EX) GEOG 1000. People, Places, and Environments (3) (F,S,SS) (FC:SO) or GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (FC:SO) or GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC:SO) HIST 1050. American History to 1877 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO) or HIST 3100. North Carolina History (3) (FC:SO) or HIST 3110. History of African Americans (3) (FC:SO) or HIST 1030. World Civilizations to 1500 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:SO) or HIST 3611. History of the Far East Since 1600 (3) (FC:SO) or HIST 3711. Introduction to Latin-American History: Since 1808 (3) (WI*) (FC:SO) or HIST 3810. History of Africa (3) (WI*) (FC:SO) HLTH 1000. Health in Modern Society (2) (F,S,SS) (FC:HL) MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on math placement test or math section of the SAT/ACT) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) MUSC 3018. Introduction to Basic Music Skills for Elementary School Teachers (3) (F,S,SS) (FC:FA) PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO) Choose 4 s.h. BIOL (FC:SC) Choose 4 s.h. CHEM, PHYS, or GEOL (FC:SC) Choose 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 - 25 s.h.

   EDTC 4001. Technology in Education (2) (F,S,SS) (P: Admission to upper division)
   EDUC 3002. Introduction to Diversity (3)
   EDUC 3200. Foundations of American Education (3) (WI*) (F,S,SS) (P: Early experience course or consent of instructor)
   EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division; C: Senior I semester) or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)
   ELEM 2123. Early Experiences for the Prospective Teacher (1) (F,S)
   ELEM 4324. Internship in the Elementary School (10) (F,S) (P: Upper division standing; EDTC 4001; EDUC 4400 or PSYC 4305; ELEM 3000, 3100, 3200, 3300, 3500, 3600, 4300; MATE 3223; READ 3302; SCIE 3216; C: ELEM 4325, 4500)
   ELEM 4325. Internship Seminar: Issues in Elementary Education (1) (F,S) (P: Upper division standing; EDTC 4001; EDUC 4400 or PSYC 4305; ELEM 3000, 3100, 3200, 3300, 3500, 3600, 4300; MATE 3223; READ 3302; SCIE 3216; C: ELEM 4324, 4500)
   READ 3301. Reading Instruction in the Primary Grades (3) (F,S,SS)
   SPED 4020. Teaching Students with Exceptionalities in Elementary Classrooms (3) (F,S) (P: Admission to upper division)

3. Academic concentration (See Academic Concentration. A maximum of 6 s.h. may be counted in foundations curriculum requirements.) - 18 s.h.

4. Specialty area - 43 s.h.

   ELEM 3000. Curriculum and Standards in Elementary School (3) (F,S,SS) (Formerly ELEM 3275) (P: Sophomore standing; P/C: ELEM 2123)
   ELEM 3100. Learning and Instruction in Elementary School (3) (F,S,SS) (Formerly ELEM 3235) (P: ELEM 2123; P/C: 3000)
   ELEM 3200. Language Arts in Elementary School (3) (WI) (F,S,SS) (Formerly ELEM 3250) (P: ELEM 2123, 3000)
   ELEM 3300. K-2 Practicum (3) (F,S) (Formerly ELEM 3236) (P/C: ELEM 2123, 3100, 3200)
   ELEM 3500. Teaching Social Studies in Elementary School (3) (WI) (F,S) (Formerly ELEM 4550) (P: Upper division standing; ELEM 3100, 3200, 3300)
   ELEM 3600. Grades 3-5 Practicum (2) (F,S) (Formerly ELEM 4551) (P: Upper division standing; ELEM 3100, 3200, 3300; P/C: ELEM 3500)
   ELEM 4300. Classroom Organization and Management in Elementary School (3) (F,S) (Formerly ELEM 4525) (P: Upper division standing; ELEM 3500, 3600)
   ELEM 4500. Practicum in Classroom Organization and Management (1) (F,S) (Formerly ELEM 4526) (P: Upper division standing; ELEM 4300; C: ELEM 4324, 4325)
   EXSS 3545. Practices and Procedures in Physical Education for Elementary Schools (2) (F,S,SS) (P: ELEM major or consent of instructor)
   HLTH 3244. Practices and Procedures in Health for Elementary School (2) (F,S,SS) (P: HLTH 1000 or 1050 and any 2123 course, or consent of the instructor)
MATE 3060. Mathematics and Methods for Grades 3-6 (4) (F,SS) (P: Admission to upper division; MATE 3050)
READ 3302. Reading Instruction in the Intermediate Grades (3) (F,SS)
SCIE 3216. Teaching Science in the Elementary School (3) (F,SS)

5. Cognate - 3 s.h.

ENGL 4950. Literature for Children (3) (F,SS) (FC:HU) (P: ENGL 1200) or LIBS 4950. Literature for Children (3) (WI) (S)
Electives to complete requirements for graduation

6. Elective - 3 s.h.

**BS in English, Secondary Education**

A minimum GPA of 2.5 is required for admission to the BS program. English education majors must have a minimum grade of C in EDTC 4001; EDUC 4400 or PSYC 4305; ENED 2123, 3018, 3815, 4010, 4323, 4960; ENGL 2000, 2700, 2710, 3000, 3010, 3020; PSYC 3206; READ 3990 or 5317; and SPED 4010. See Section 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is 126 s.h. of credit as follows:

1. Foundations curriculum plus special requirements for licensure (For information about courses that carry foundations curriculum credit see [Liberal Arts Foundations Curriculum](#) including those listed below - 42 s.h.

    PSYC 1000. Introductory Psychology (3) (F,SS) (FC:SO)
    PSYC 3206. Developmental Psychology (3) (WI*) (F,SS) (FC:SO) (P: PSYC 1000 or 1060)
    ENGL 2000. Interpreting Literature (3) (WI) (F,SS) (FC:HU) (P: ENGL 1200)

2. Core (exclusive of freshman composition) - 51 s.h.

    ENED 3018. Introduction to the High School English Curriculum (3) (S) (P: ENED 2123 or consent of chair)
    ENED 3815. Composition Instruction in Grades 9-12 (3) (WI) (S) (P: ENED 2123 or consent of dept chair)
    ENED 4010. Assessment, Management, and Instruction in High School English (3) (F) (P: Admission to upper division; ENED 4960)
    ENED 4323. The Teaching of English in High School (3) (F) (P: Admission to upper division; ENED 4960)
    ENED 4960. Literature for High School (3) (WI) (F)
ENGL 2700. Introduction to Language Studies (3) (F,S) (P: ENGL 1200)
ENGL 2710. English Grammar (3) (F,S) (P: ENGL 1200)
ENGL 3000. History of British Literature to 1700 (3) (FC:HU) (P: ENGL major, minor, or consent of dept; ENGL 1200)
ENGL 3010. History of British Literature, 1700-1900 (3) (F,S) (FC:HU) (P: ENGL major, minor, or consent of dept; ENGL 1200)
ENGL 3020. History of American Literature to 1900 (3) (FC:HU) (P: ENGL major, minor, or consent of dept; ENGL 1200)
Choose 3 s.h. from:
ENGL 4070. Shakespeare: The Histories (3) (FC:HU) (P: ENGL 1200)
ENGL 4080. Shakespeare: The Comedies (3) (FC:HU) (P: ENGL 1200)
ENGL 4090. Shakespeare: The Tragedies (3) (FC:HU) (P: ENGL 1200)
Choose 3 s.h. from:
ENGL 3240. U.S. Latino/a Literature (3) (W) (WI) (FC:HU) (P: ENGL 1200)
ENGL 3250. Native American Literature (3) (WI) (FC:HU) (P: ENGL 1200)
ENGL 3260. African American Literature (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 3300. Women in Literature (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 4340. Ethnic American Literature (3) (WI) (FC:HU) (P: ENGL 1200)
ENGL 4360. World Literature in English. (3) (WI) (FC:HU) Formerly ENGL 3100 (P: ENGL 1200)
Choose 3 s.h. from:
CLAS 1500. Classical Mythology (3) (F) (FC:HU) (Formerly CLAS 3460)
CLAS 2000. Introduction to Classics (3) (W)* (FC:HU)
CLAS 2220. Great Works of Ancient Literature I: Greece (3) (FC:HU)
CLAS 2500. Greek Tragedy in Translation (3) (FC:HU)
ENGL 3450. Northern European Mythology (3) (W) (WI) (FC:HU) (P: ENGL 1200)
ENGL 3460. Literature and Classical Mythology (3) (FC: HU) (P: ENGL 1200)
ENGL 3600. Classics from Homer to Dante (3) (FC: HU) (P: ENGL 1200)
Choose 6 s.h. from any 4000- or 5000-level literature course, excluding ENED 4970;
ENGL 4230, 4910, 4920, 4950
Choose 6 s.h. from any ENGL courses 2000 or above.

3. Professional courses - 25-26 s.h.

EDTC 4001. Technology in Education (2) (F,S) (P: Admission to upper division)
EDUC 3200. Foundations of American Education (3) (WI*) (F,S,SS) (P: Early experience course or consent of instructor)
EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division; C: Senior I semester) or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)
ENED 2123. Early Experiences for the Prospective Teacher (1) (F,S) (P: ENGL 1200)
ENED 4324. Internship in English (10) (S) (P: Admission to upper division; a minimum grade of C in ENED 2123, 3815, 4323, 4960; EDTC 4001; EDUC 3200; PSYC 3206; PSYC 4305 or EDUC 4400; SPED 4010)
ENED 4325. Internship Seminar: Issues in English Education (2) (S) (P: Admission to upper division; C: ENED 4324)
5. Electives to complete requirements for graduation.

**Social Studies Teacher Licensure**

A person wishing to meet the requirements for licensure in social studies, grades 9-12, must obtain the BS degree in history and take required and elective cognate courses in anthropology, economics, geography, political science, psychology, and sociology.

**BS in History, Secondary Education**

1. See Section 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. A minimum GPA of 2.5 required for admission to the program. History education majors must have a minimum grade of C in EDTC 4001; EDUC 4400 or PSYC 4305; HIED 2123, 3001, 3010, 4010, 4323; HIST 5135; PSYC 3206; READ 3990 or 5317; and SPED 4010. Minimum degree requirement is 128 s.h. of credit as follows: Foundations curriculum and special requirements for Licensure (For information about courses that carry foundations curriculum credit see [Liberal Arts Foundations Curriculum](#)) including those listed below.

   - COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA)
   - MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
   - 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 (3) (WI*) (F,S,SS) (FC:SO)
   - HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:SO)
   - HIST 1050. American History to 1877 (3) (WI*) (F,S,SS) (FC:SO)
   - HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO)
   - HIST 3000. History: Its Nature and Method (3) (WI*) (F,S) (FC:SO) (P: 6 s.h. in HIST)
   - HIST 3235. The Era of Populism and Progressivism in American History, 1892-1919 (3) (WI*) (FC:SO) or
   - HIST 3240. The Age of Franklin Roosevelt, 1919-1945 (3) (WI*) (FC:SO)
   - HIST 3245. The United States Since 1945 (3) (WI*) (FC:SO)
   - HIST 3260. The United States and the Middle East, 1783 to the Present (3) (FC:SO)
   - HIST 5135. Problems in North Carolina History (3) (WI*) (P: HIST 1050, 1051; or consent of instructor)
   - Choose two electives above 2999
3. Cognates (May count toward the foundations curriculum social science requirement.) - 27 s.h.

ANTH 1000. Introduction to Anthropology (3) (F,S,SS) (FC:SO) or ANTH 2010. Societies Around the World (3) (F,S,SS) (FC:SO)
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) (P: ECON 2113)
GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (FC:SO) or GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC:SO)
POLS 1010. National Government (3) (F,S,SS) (FC:SO)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)
Choose one POLS course above 2999

4. Professional courses - 35 s.h.

EDTC 4001. Technology in Education (2) (F,S,SS) (P: Admission to upper division)
EDUC 3200. Foundations of American Education (3) (WI*) (F,S,SS) (P: Early experience course or consent of instructor)
EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division; C: Senior I semester) or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)
HIED 2123. Early Experiences for the Prospective Teacher (1) (F,S) (P: 6 s.h. in HIED and 6 s.h. from other social sciences)
HIED 3001. Teaching Civics and Economics in the Secondary Classroom (3) (F)
HIED 3010. History Curriculum and Planning in the Secondary Classroom (2) (S)
HIED 4010. Assessment in Secondary Social Studies (3) (F) (P: Admission to upper division; EDUC 3200; HIED 3001, 3010; or consent of instructor; C: HIED 4323)
HIED 4323. The Teaching of Social Studies in High School (3) (F) (P: Admission to upper division) EDUC 3200; HIED 3001, 3010; or consent of instructor; C: HIED 4010)
HIED 4324. Internship in Social Studies (10) (S) (P: Admission to upper division; HIED 4323; C: HIED 4325)
HIED 4325. Internship Seminar: Issues in Social Studies Education (1) (S) (P: Admission to upper division; C: HIED 4323; HIED 4324)
READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)
SPED 4010. Effective Instruction in Inclusive Classrooms (2) (F,S) (RP: SPED 2000)

5. Electives to complete requirements for graduation.

**BS in Middle Grades Education**

See Licensure, above. A minimum GPA of 2.5 is required for admission to the program. Middle Grades education majors must have a minimum grade of C in EDTC 4001; EDUC 4400 or
Minimum degree requirement is **128 s.h.** of credit as follows:

1. **Foundations curriculum requirements** (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*) including those listed below - 42 s.h.

   - ANTH 2010. Societies Around the World (3) (F,S,SS) (FC:SO) or GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (FC:SO) or GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC:SO) or SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO) or ECON 2113. Microeconomics (3) (F,S,SS) (FC:SO)
   - ART 1910. Art Appreciation (2) (F,S,SS) (FC:FA) or DNCE 1000. Introduction to Dance (2) (F,S,SS) (FC:FA) or MUSC 2208. Music Appreciation (2) (F,S,SS) (FC:FA) or THEA 1000. Introduction to Theatre (3) (F,S,SS) (FC:FA)
   - HIST 1050. American History to 1877 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1030. World Civilizations to 1550 (3) (F,S,SS) (FC:SO) or HIST 1031. World Civilizations since 1550 (3) (F,S,SS) (FC:SO)
   - MATH 1065. College Algebra (3) (F,S) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
   - POLS 1010. National Government (3) (F,S,SS) (FC:SO)
   - PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   - A literature course (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1100)
   - Choose 4 s.h. BIOL (FC:SC)
   - Choose 4 s.h. CHEM, PHYS, or GEOL (FC:SC)
   - Choose 5 s.h. humanities and/or fine arts

2. **Professional studies** - 25-26 s.h.

   - EDTC 4001. Technology in Education (2) (F,S,SS) (P: Admission to upper division)
   - EDUC 3200. Foundations of American Education (3) (WI*) (F,S,SS) (P: Early experience course or consent of instructor)
   - EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division; C: Senior I semester) or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)
   - MIDG 2123. Early Experiences for the Prospective Teacher (1) (F,S) (P: Sophomore standing or consent of instructor)
   - MIDG 4324. Internship in the Middle Grades (10) (F,S) (P: Admission to upper division; EDTC 4001; EDUC 3200; EDUC 4400 or PSYC 4305; MIDG 4001, 4010; READ 5317; 2 methods courses from the following: MIDG, HIED, MATE, SCIE 4319; C: MIDG 4325)
   - MIDG 4325. Internship Seminar: Issues in Middle Grades Education (2) (F,S) (P: Admission to upper division; C: MIDG 4324)
   - READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS) or READ 5317. Reading in the Junior and Senior High School (3) (F,S,SS)
   - SPED 4010. Effective Instruction in Inclusive Classrooms (2) (F,S) (RP: SPED 2000)
A methods course (4319) is required for certification in each of the 2 academic concentrations leading to middle grades licensure. No substitutions for methods classes may be made without special MIDG program approval.

3. Specialty area - 22 s.h.

- MIDG 3001. Early Experience Through an Introduction to Middle Grades Education (3) (WI) (F,SS) (P/C: MIDG 2123)
- MIDG 3010. Middle Grades Curriculum and Planning (3) (S,SS) (P: Junior standing; MIDG 3001; C: MIDG 3022)
- MIDG 3022. Instructional Models and Strategies for Middle Grades (4) (S,SS) (P: MIDG 3001; C: MIDG 3010)
- MIDG 4001. Organization, Management, and Motivation in the Middle Grades Classroom (3) (S,SS) (P: MIDG 2123, 3001 or approval by area coordinator; upper division standing)
- MIDG 4010. Instructional Evaluation in Middle Grades (3) (WI) (F) (P: Upper division standing; MIDG 3010, 3022; C: Choose 2 from ENED or MIDG; or HIED or MATE or SCIE 4319)

Choose two of the following four methods courses (total of 6 hours):
- ENED 4319. Teaching English/Language Arts in the Middle Grades (3) (F) (P: Admission to upper division; EDUC 3200; MIDG 3001, 3010, 3022; 10 s.h. in ENGL; C: MIDG 4010; HIED or MATE or SCIE 4319)
- HIED 4319. Teaching Social Studies in the Middle Grades (3) (F) (P: Admission to upper division; EDUC 3200; MIDG 3001, 3010, 3022; 18 s.h. in social sciences; or consent of instructor; C: MIDG 4010; MIDG 4319 or SCIE 4319 or MATE 4319)
- MATE 4319. Teaching Mathematics in the Middle Grades (3) (F) (P: Admission to upper division; EDUC 3200; MIDG 3010, 3022; C: MIDG 4010; HIED or MIDG or SCIE 4319 or consent of instructor)
- SCIE 4319. Teaching Science in the Middle Grades (3) (F) (P: Admission to upper division; EDUC 3200; MIDG 3010, 3022; SCIE 3602, 3604; or consent of instructor; C: MIDG 4010; HIED or MATE or MIDG 4319)

4. Academic concentration: Middle grades majors are required to complete two academic concentrations appropriate for licensure - 36-42 s.h.

Middle grades education majors must select 2 of the following academic concentrations. A total of 6 credit hours in each concentration may be double counted in foundations curriculum or specialty area.

- English (24 s.h.)
  - CLAS 1500. Classical Mythology (3) (FC:HU) (Formerly CLAS 3460)
  - ENGL 2000. Interpreting Literature (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1100)
  - ENGL 2100. Major British Writers (3) (WI) (F,SS) (FC:HU) (P: ENGL 1200) or ENGL 2200. Major American Writers (3) (WI) (F,SS) (FC:HU) (P: ENGL 1200)
  - ENGL 2700. Introduction to Language Studies (3) (WI) (F,S) (FC:HU) (P: ENGL 1200) or ENGL 2730. Functional Grammar (3) (F,S) (P: ENGL 1200)
ENGL 3810. Advanced Composition (3) (WI) (F,S) (P: ENGL 1200) or ENED 3815. Composition Instruction in Grades 9-12 (3) (WI) (S) (P: ENED 2123 or department consent) Choose one from:
ENGL 3260. African American Literature (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 3300. Women and Literature (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 3450. Northern European Mythology (3) (FC:HU) (P: ENGL 1200)
ENGL 3460. Literature and Classical Mythology (3) (FC:HU) (P: ENGL 1200)
ENGL 3570. American Folklore (3) (WI) (F,S) (FC:HU) (P: ENGL 1200)
ENGL 3600. Classics from Homer to Dante (3) (F) (FC:HU) (P: ENGL 1200)
ENGL 3630. The Bible as Literature (3) (FC:HU) (P: ENGL 1200)
ENGL 4360. World Literature in English (3) (WI) (FC:HU) (P: ENGL 1200)
Choose 9 s.h. ENGL electives of which 6 s.h. must be above 2999
General Science (24 s.h.)
BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
CHEM 1020. General Descriptive Chemistry (4) (S) (FC:SC)
GEOL 1500. Dynamic Earth (3) (F,S,SS) (FC:SC)
PHYS 1250. General Physics (3) (F,S,SS) (FC:SC) (P: MATH 1065 or 1066)
SCIE 3602. Investigations in Physical and Earth Science for Elementary Majors (4) (F,S,SS)
SCIE 3604. Investigations in Life and Environmental Science for Elementary Education Majors (4) (F,S,SS)
Choose one of the following:
SCIE 3350, 3351. Descriptive Astronomy (4,0) (F)
SCIE 3360, 3361. Physical Meteorology (4,0) (S)
Social Studies (24 s.h.)
ANTH 3002. Cultures of East Asia (3) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor) or GEOG 3049. South America (3) (WI) (F) (FC:SO) or GEOG 3051. Far East (3) (S) (FC:SO) or HIST 3611. History of the Far East Since 1600 (3) (FC:SO) or ANTH 3003. Cultures of Africa (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor) or GEOG 3050. Africa (3) (S) (FC:SO) or HIST 3710. Introduction to Latin-American History: Colonial Period (3) (WI*) (FC:SO) or HIST 3711. Introduction to Latin-American History: Since 1808 (3) (FC:SO) or HIST 3810. History of Africa (3) (WI) (FC:SO)
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (FC:SO) or GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC:SO)
HIST 1030. World Civilizations to 1500 (3) (WI) (F,S,SS) (FC:SO) or HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:SO)
HIST 1050. American History to 1877 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO)
HIST 3100. North Carolina History (3) (FC:SO)
POLS 1010. National Government (3) (F,S,SS) (FC:SO) or POLS 3265. African Political Systems (3) (S) (FC:SO)
Mathematics (24 s.h.)
MATE 1267. Functional Relationships (3) (S) (P: MATH 1065 or equivalent)
MATE 2067. Data and Probability Explorations (3) (F, S) (P: MATH 1065 or equivalent)
MATE 3067. Algebra and Number Foundations (3) (F, S) (P: MATH 1065 or equivalent)
MATE 3167. Geometry and Measurement (3) (F, S) (P: MATH 1065 or equivalent)
MATE 3267. Concepts in Discrete Mathematics (3) (S) (P: MATE 3067)
MATE 3367. Mathematical Modeling (3) (S) (P: MATE 1267, 2267, 3067, and 3167)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
MATH 2119. Elements of Calculus (3) (F,S,SS) (FC:MA) (P: Minimum grade of C in MATH 1065 or MATH 1066)

5. Cognate - 3 s.h.

Mathematics concentration students: MATE 2067. Data and Probability Explorations (3) (F, S) (P: MATH 1065 or equivalent) or MATE 3167. Geometry and Measurement (3) (F, S) (P: MATH 1065 or equivalent).
Non-mathematics concentration students: EDUC 3002. Introduction to diversity (3)

6. Electives to complete requirements for graduation.

**BS in Special Education, Adapted Curriculum**

The BS in special education degree prepares and develops professionals in special education who are committed to accomplishing the following as teachers of children with disabilities: the development of each student's maximum individual potential through the acquisition of skills, values, and attitudes in the academic, social, communicative, vocational, and motoric domains. To this end, students are prepared for the role of diagnostic/prescriptive teachers. The BS degree comprises two areas of special education that lead to initial teaching licensure in the general curriculum and the adapted curriculum. An add-on licensure program is available in academically gifted. See Licensure, above. Minimum degree requirement is **128 s.h.** of credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.

   ART 3850. Art in the Elementary School (3) (F,S,SS) (FC:FA) (P: Junior standing)
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:FA) (P: Appropriate score on mathematics placement test) or MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
   MUSC 3048. Music for Exceptional Children (2) (F,S) (P: MUSC 3018)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 2777. Ethno-cultural Psychology (3) (FC:SO) (P: PSYC 1000 or 1060)
   Choose 8 s.h. BIOL, CHEM, PHYS, or GEOL (FC:SC)
Choose a history course (FC:SO)
Choose a literature course (FC:HU)

2. Professional studies - 25 s.h.

EDTC 4001. Technology in Education (2) (F,S,SS) (P: Admission to upper division)
EDUC 3200. Foundations of American Education (3) (WI*) (F,S,SS) (P: Early experience course or consent of instructor)
EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division; C: Senior I semester) or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)
READ 3301. Reading Instruction in the Primary Grades (3) (F,S,SS)
SPED 2123. Early Experiences for Prospective Teachers (1) (F,S)
SPED 4320. Communication and Collaboration in Special Education (3) (S) (P: Admission to upper division; C: SPED 4324. Taken as the Senior 2 Seminar)
SPED 4324. Internship in Special Education (10) (F,S) (P: Admission to upper division; SPED 3005, 4000)

3. Core - 45 s.h.

ASLS 2020. Sign Language Studies I (3) (F, S, SS)
CSDI 2100. Introduction to Communication Disorders (3) (F,S,SS)
EXSS 5303. Physical Activity Programs for Individuals with Developmental, Emotional, and Learning Disabilities (3) (P: EXSS 3545 or 3546; SPED 5101 or consent of instructor)
SPED 2000. Introduction to Exceptional Children (2) (F,S,SS)
SPED 2200. Introduction to Students with Disabilities in the Adapted Curriculum (3) (F) (P: SPED 2000; C: SPED 2209)
SPED 2209. Introductory Practicum for Students with Disabilities in the Adapted Curriculum (1) (F) (P: SPED 2000; C: SPED 2200)
SPED 3001. Assessing Students with Disabilities (3) (S) (P: SPED 2100, 2109; or SPED 2200, 2209)
SPED 3004. Managing the Learning Environment (3) (F) (P: SPED 2000; 2100, 2109; or 2200, 2209; C: SPED 3005)
SPED 3005. Instructional Programming in Special Education (3) (F,SS) (P: SPED 2100, 2109; or 2200, 2209; C: SPED 3004)
SPED 3006. Augmentative and Alternative Communication for Students with Disabilities (3) (S) (P: SPED 2000, 2200/2209. 3004, 3005; C: SPED 3001)
SPED 3007. Managing the Physical Needs of Learners with Disabilities (2) (F) (P: SPED 2200, 2209)
SPED 3200. Instructional Methods for Students with Disabilities in the Adapted Curriculum (4) (WI) (S) (P: Admission to upper division; SPED 3004, 3005; C: SPED 3209)
SPED 3209. Instructional Practicum for Students with Disabilities in the Adapted Curriculum (2) (S,SS) (P: Admission to upper division; SPED 3004, 3005; C: SPED 3200)
SPED 4000. Technology in Special Education (3) (F,S,SS) (P: SPED 2000; EDTC 4001)
SPED 4200. Special Issues and Strategies for Students with Disabilities in the Adapted Curricula (3) (F) (P: Admission to upper division; SPED 3100, 3109; or SPED 3200, 3209; C: SPED 4300)
SPED 4300. Practicum in Special Education (3) (F) (P: Admission to upper division; SPED 3100, 3109; or SPED 3200, 3209; C: SPED 4100)
RCTX 2230. Recreational Therapy Foundations (3) (F,S) Formerly RCLS 2230 (P: RCLS 2000 or consent of instructor)

4. Cognates - 14 s.h.

ENGL 4710. Teaching English as a Second Language: Theories and Principles (3) (P: ENGL 1200)
MATE 3050. Mathematics and Methods for Grades Pre-K-2 (3) (F,S,SS) (P: Foundations curriculum mathematics course; C: MATE 3051)
MATE 3051. Field Experience in Mathematics Grades K-2 (1) (F,S,SS) (P: Foundations curriculum mathematics course; C: MATE 3050)
MATE 3060. Mathematics and Methods for Grades 3-6 (4) (F,S,SS) (P: Admission to upper division; MATE 3050)
SCIE 3216. Teaching Science in the Elementary School (3) (F,S,SS)

5. Academic concentration (The Academic Concentration is not required for SPED majors entering the university as of fall semester, 2004)

6. Electives to complete requirements for graduation.

**BS in Special Education, General Curriculum**

The BS in special education degree prepares and develops professionals in special education who are committed to accomplishing the following as teachers of children with disabilities: the development of each student's maximum individual potential through the acquisition of skills, values, and attitudes in the academic, social, communicative, vocational, and motoric domains. To this end, students are prepared for the role of diagnostic/prescriptive teachers. The BS degree comprises two areas of special education that lead to initial teaching licensure in the general curriculum and the adapted curriculum. Students pursuing the SPED-general curriculum license also pursue the reading license. An add-on licensure program is available in academically gifted. See Licensure, above. Minimum degree requirement is 128 s.h. of credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see [Liberal Arts Foundations Curriculum](#) including those listed below - 42 s.h.

   ART 3850. Art in the Elementary School (3) (F,S,SS) (FC:FA) (P: Junior standing)
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1065. College Algebra (3) (F,S,SS)
(FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
MUSC 3048. Music for Exceptional Children (2) (F,S) (P: MUSC 3018)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 2777. Ethnocultural Psychology (3) (FC:SO) (Formerly PSYC 3777) (P: PSYC 1000 or 1060)
Choose 8 s.h. BIOL, CHEM, PHYS, or GEOL (FC:SC)
Choose a history course (FC:SO)
Choose a literature course (FC:HU)

2. Professional studies - 25 s.h.

EDTC 4001. Technology in Education (2) (F,S,SS) (P: Admission to upper division)
EDUC 3200. Foundations of American Education (3) (WI*) (F,S,SS) (P: Early experience course or consent of instructor)
EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division; C: Senior I semester) or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3240 or equivalent)
PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3240 or equivalent)
READ 3301. Reading Instruction in the Primary Grades (3) (F,S,SS)
SPED 2123. Early Experiences for Prospective Teachers (1) (F,S)
SPED 4320. Communication and Collaboration in Special Education (3) (F,S) (P: Admission to upper division; SPED 4100, 4300; C: SPED 4324. Taken as the Senior 2 Seminar)
SPED 4324. Internship in Special Education (10) (S) (P: Admission to upper division; SPED 3005, 4000)

http://www.ecu.edu/cs-acad/ugcat/mathSciEd.cfm

College of Education

Department of Mathematics, Science, and Instructional Technology Education

BS in Science Education

The science education degree prepares and develops professionals in science education by offering classroom instruction and research opportunities in programs for students whose career goals are teaching science in the elementary, middle, and secondary schools, and in higher education. Undergraduate areas of preparation include the methods and processes of teaching the biological, physical, and earth sciences. Minimum degree requirement is 128 s.h. of credit as follows:
1. Foundations curriculum and special requirements for certification (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.

   BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100)
   GEOL 1500. Dynamic Earth (3) (F,S,SS) (FC:SC)
   GEOL 1501. Dynamic Earth Laboratory (1) (F,S,SS) (FC:SC) (C: GEOL 1500)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   Council for Teacher Education Approved Diversity Course
   Choose a literature course (FC:HU)

2. Teaching area concentration (Choose one from the following.) - 55 s.h.

   Biology
   BIOL 1200, 1201. Principles of Biology and Laboratory II (3,1) (F,S,SS) (FC:SC) (P/C for 1201: BIOL 1200)
   BIOL 2100, 2101. Basic Laboratory Methods for Biotechnology (3,0) (F,SS) (FC:SC) (Formerly BIOL 3100, 3101) (P: BIOL 1100, 1101; MATH 1065; CHEM 1020, 1021 or 1120, 1121 or 1150, 1151)
   BIOL 2110, 2111. Fundamentals of Microbiology and Laboratory (3,1) (F,S) (FC:SC) (P: for 2110: CHEM 1120, 1130 or CHEM 1150, 1160; RP for 2110: BIOL 1050, 1051 or 1100, 1101; P/C for 2111: BIOL 2110)
   BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (FC:SC) (P: BIOL 1050, 1051; or 1100, 1101) and BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (FC:SC) (P/C: BIOL 2130) or BIOL 4050, 4051. Comparative Anatomy (4,0) (F) (P: 6 s.h. in BIOL)
   BIOL 2250. Ecology (3) (F,S,SS) (P: BIOL 1100, 1101, 1200, 1201)
   BIOL 2251. Ecology Laboratory (1) (F,S,SS) (P: BIOL 1100, 1101, 1200, 1201; C: BIOL 2250)
   BIOL 2300. Principles of Genetics (3) (F,S,SS) (P: BIOL 1100, 1200)
   BIOL 3230, 3231. Field Botany (4,0) (F,S,SS) (P: 3 s.h. of general BIOL with a lab) or
   BIOL 3150. Plant Biology (3) (S) (P: 2000-level BIOL course or consent of instructor)
   BIOL 3310, 3311. Cellular Physiology (4,0) (F,S,SS) (P: Organic chemistry or
   biochemistry course)
   BIOL 3620. Biological Evolution (3) (F) (P: MATH 1065 or equivalent; BIOL 2300 or
   consent of instructor)
   CHEM 1120. Introduction to Chemistry for the Allied Health Sciences (3,0) (F,S,SS) (FC:SC)
   CHEM 1121. Basic General, Organic, and Biochemistry Laboratory I (1) (F,S) (FC:SC)
   (C: CHEM 1120)
   CHEM 1130. Organic and Biochemistry for the Allied Health Sciences (4,0) (F,S,SS) (FC:SC) (P: CHEM 1120)
MATH 2121. Calculus for the Life Sciences I (3) (F,S,SS) (FC:MA) (P: MATH 1065 or 1077 with a minimum grade of C)
MATH 2122. Calculus for the Life Sciences II (3) (F,S,SS) (P: MATH 2121)
PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (FC:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
PHYS 1251. General Physics Laboratory (1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350)
SCIE 3604. Investigations in Life and Environmental Science (4) (F,S,SS)

http://www.ecu.edu/cs-acad/ugcat/music.cfm

College of Fine Arts and Communication

School of Music

BM in Music Education

See Section 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is 128 s.h. as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.

   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

2. Common core - 64 s.h.

   Core MUSC courses (30 s.h.):
   MUSC 1156 (F), 1166 (S). Basic Musicianship (3,3)
   MUSC 1176 (F), 1186 (S). Basic Musicianship Laboratory (1,1) (C for 1186: MUSC 1166)
   MUSC 1406 (S), 2406 (F), 2416 (S). Music History and Literature (3,3,2) (WI, WI, WI)
   MUSC 2156 (F), 2166 (S). Basic Musicianship (3,3) (P: MUSC 1166)
   MUSC 2176 (F), 2186 (S). Basic Musicianship Laboratory (1,1) (P: MUSC 1186; C for 2176: MUSC 2156; C for 2186: MUSC 2166)
   MUSC 2248 (F,S,SS). Music of the World’s Peoples (2)
MUSC 3156 (F), 3166 (S). Conducting (1,1) (P: MUSC 2166, 2186)
MUSC 3176. Basic Musicianships V (2) (WI) (P: MUSC 2166, 2186)

http://www.ecu.edu/cs-acad/ugcat/ExerSport.cfm

College of Health and Human Performance

Department of Kinesiology

Stacey R. Altman, Chair, 176 Minges Coliseum

BS in Exercise Physiology

The program provides competencies and knowledge in the field of exercise physiology. Graduates of the program are prepared to pursue further academic training in exercise physiology, physical therapy, medicine, and other allied health careers. A minimum cumulative 2.0 GPA, 32 s.h. foundations curriculum, and successful completion of the health-related physical fitness requirement are required for admission. A minimum grade of C is required in BIOL 1100, 1101; CHEM 1150, 1151; ENGL 1100, 1200; MATH 1065. Majors must maintain a minimum cumulative GPA of 2.0 and a minimum grade of C is required in BIOL 2140, 2141, 2150, 2151; CHEM 1160, 1161; and all required EXSS courses. Minimum degree requirement is 126 s.h. of credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.

   BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100)
   CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C: MATH 1065; C for 1150: CHEM 1151; C for 1151: CHEM 1150)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)

2. Core - 42 s.h.

   EXSS 2000. Introductory Exercise and Sport Science (3) (F,S,SS)
   EXSS 2850. Structural Kinesiology (1) (F,S,SS)
   EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: BIOL 2130 or BIOL 2140, 2150; EXSS 2850)
   EXSS 3806. Physiology of Exercise Laboratory (1) (F,S) (P: EXSS 3805)
EXSS 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2140; EXSS 2850; PHYS 1250, 1251; or consent of instructor)
EXSS 4805. Exercise Evaluation and Prescription Laboratory (1) (F,S,SS) (C: EXSS 4806)
EXSS 4806. Exercise Evaluation and Prescription (3) (WI) (F,S,SS) (P: EXSS 3805; health and human performance major or minor; or consent of instructor; C: EXSS 4805)
EXSS 4809. Exercise Prescription for Clinical Populations (3) (F,S,SS) (P: EXSS 4806)
EXSS 4991. Independent Research in Exercise Physiology (3) (WI*) (F,S) (P: EXSS 4806; or consent of exercise physiology degree director)
EXSS 4992. Research Internship in Exercise Physiology (12) (F,S) (P: Completion of all other requirements for the exercise physiology degree or consent of internship coordinator)
EXSS 5020. Exercise Adherence (3) (P: PSYC 1000; P/C: EXSS 4806; health and human performance major or minor; or consent of dept chair)
Choose 6 s.h. approved electives

3. Cognates - 38 s.h.

BIOL 2140, 2150. Human Physiology and Anatomy (3,3) (P: CHEM 1120 or 1150; 2.75 GPA or consent of instructor; P for 2150: BIOL 2140; 2.75 GPA or consent of instructor; C for 2140: BIOL 2141; C for 2150: BIOL 2151)
BIOL 2141, 2151. Human Physiology and Anatomy Laboratory (1,1) (P for 2151: BIOL 2141; C for 2141: BIOL 2140; C for 2151: BIOL 2150)
BIOL 5800. Principles of Biochemistry I (3) (P: BIOL 3310, 3311; or consent of instructor; CHEM 2760, 2763) or BIOL 3310, 3311. Cellular Physiology (4,0) (F,S,SS) (P: CHEM 2650 or 2750 or 2770)
BIOS 1500. Introduction to Biostatistics (3) (F,S) (P: MATH 1065 or equivalent or consent of instructor)
CHEM 1160, 1161. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
CHEM 2750. Organic Chemistry I (3) (F,S,SS) (P: CHEM 1160, 1161; C: CHEM 2753)
CHEM 2753. Organic Chemistry Laboratory I (1) (F,S,SS) (C: CHEM 2750)
CHEM 2760. Organic Chemistry II (3) (F,S,SS) (P: CHEM 2750; C: CHEM 2763)
CHEM 2763. Organic Chemistry Laboratory II (1) (F,S,SS) (P: CHEM 2750, 2753; C: CHEM 2760)
NUTR 1000. Contemporary Nutrition (3) or NUTR 2105. Nutrition Science (3)
PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (FC:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)

4. Electives to complete requirements for graduation - 5 s.h.

**BS in Exercise Physiology/Doctorate of Physical Therapy**
The BS/DPT program provides a means by which undergraduate students at East Carolina University enroll in the program of exercise physiology with the intention of preparing for a professional doctoral degree path in physical therapy (DPT). The student in this program will count 15 s.h. of graduate physical therapy course work towards the BS in exercise physiology. The student will complete the DPT in six years for a total of 217 s.h. This course work includes all foundations curriculum courses, core requirements for the undergraduate degree, and prerequisites and core requirements for the DPT. A student may be granted provisional acceptance to the DPT program after their second year of study based on competitive academic qualifications. Upon successful completion of the first year of the DPT degree, BS/DPT students are awarded the appropriate bachelor’s degree.

BS in Health Fitness Specialist

The health fitness specialist program is endorsed by the American College of Sports Medicine (ACSM) as providing all competencies necessary for the ACSM Health Fitness Instructor® certificate exam. This program provides competencies and knowledge for students to develop and conduct health and fitness programs in commercial, corporate, clinical and community settings. A minimum cumulative 2.0 GPA is required for admission as well as successful completion of the EXSS health-related fitness test. Students must have nine semester hours of writing intensive credit from Foundations Curriculum. A minimum grade of C in all required EXSS courses is required to complete the degree. Minimum degree requirement is **125 s.h.** of credit as follows:

1. **Foundations curriculum requirements** (For information about courses that carry foundations curriculum credit see [Liberal Arts Foundations Curriculum](#)) including those listed below - 42 s.h.

   - BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
   - BIOL 1051. General Biology Laboratory (1) (F,S,SS) (FC:SC)
   - CHEM 1020. General Descriptive Chemistry (4) (S) (FC: SC)
   - COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   - MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
   - PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   - PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

2. **Core** - 46 s.h.

   - EXSS 1101. Physical Conditioning (1) (F,S,SS) (P: EXSS 1000 or 1001)
   - EXSS 1114. Aerobic Dance (1) (F,S,SS) (P: EXSS 1000 or 1001)
   - EXSS 2000. Introductory Exercise and Sport Science (3) (F,S,SS)
   - EXSS 2202. Motor Learning and Performance (3) (F,S,SS)
   - EXSS 2850. Structural Kinesiology (1) (F,S,SS)
EXSS 3804. Measurement of Physical Activity and Fitness (3) (F,S,SS) (P: BITE 2112 or MIS 2223; EXSS 2000; or consent of instructor)
EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: BIOL 2130 or BIOL 2140, 2150; EXSS 2850)
EXSS 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2130 or BIOL 2140; EXSS 2850; PHYS 1250, 1251; or consent of instructor)
EXSS 3880. Personal Fitness Training (3) (F,S,SS) (P: Declared major or consent of instructor)
EXSS 4805. Exercise Evaluation and Prescription Laboratory (1) (F,S,SS) (C: EXSS 4806)
EXSS 4806. Exercise Evaluation and Prescription (3) (WI) (F,S,SS) (P: EXSS 3805; health and human performance major or minor; or consent of instructor; C: EXSS 4805)
EXSS 4850. Exercise Leadership (3) (F,S) (P: EXSS 1114 or 1214, 3805; declared EXSS major or consent of instructor)
EXSS 5020. Exercise Adherence (3) (P: PSYC 1000; P/C: EXSS 4806; health and human performance major or minor; or consent of dept chair)
EXSS 5800. Physical Activity and Aging (3) (SL)
HLTH 4200. Planning and Evaluation in Worksite Health Promotion (3) (F,S,SS) (P: Completion of core courses)
Choose 3 s.h. of approved EXSS electives at or above the 3000 level.
Choose 6 s.h. from the following HLTH classes:
ATEP 2800. Medical Nomenclature for Human Performance (2) (F,S,SS)
ATEP 3350. Concepts in Pharmacology (3) (F,S,SS) (RP: ATEP 2800 or equivalent)
HLTH 3010. Health Problems I (3) (F,S,SS) (P: BIOL 2130 or 2140; HLTH 1000 or 1050; or consent of instructor)
HLTH 4604. Applied Principles of Health Promotion (3) (SL*) (F,S) (P: BIOL 2130 or 2140; NUTR 2105; PSYC 1000; or consent of instructor)
HLTH 5900. Stress Management (3) (S) (P: Undergraduate course in anatomy and physiology; graduate standing; or consent of instructor)

http://www.ecu.edu/cs-acad/ugcat/ExerSport.cfm

College of Health and Human Performance

Department of Kinesiology

BS in Sports Studies

The BS in sports studies is an examination of the place of sport in culture. The program provides the competencies and knowledge for students to pursue a variety of sport-related careers. A minimum cumulative 2.0 GPA, 32 s.h. of foundations curriculum coursework, and successful completion of the health-related physical fitness test are required for admission to the program.
A minimum grade of C is needed in all required EXSS courses for successful completion of the degree. Minimum degree requirement is 121 s.h.

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.

   BIOL 1050, 1051. General Biology and Laboratory (3,1) (F,S,SS) (FC:SC) (C for 1051: BIOL 1030 or 1050)
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of department chair)
   PHIL 1176. Introduction to Social and Political Philosophy (3) (F,S,SS) (FC:HU)
   PHYS 1250, 1251. General Physics and Laboratory (3,1) (F,S,SS) (FC:SC)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   RCLS 2601. Leisure in Society (3) (F,S,SS) (FC:SO)

2. Core - 34 s.h.

   Four hours of EXSS 1000 level activity courses (4)
   EXSS 2000. Introductory Exercise and Sport Science (3) (F,S,SS)
   EXSS 2202. Motor Learning and Performance (3) (F,S,SS)
   EXSS 2850. Structural Kinesiology (1) (F,S,SS)
   EXSS 3300. Applied Sports Psychology (3) (F) (P: PSYC 1000)
   EXSS 3301. Physical Education and Sport in Modern Society (3) (F,SS) (P: Health and human performance major or minor, or consent of instructor)
   EXSS 3600. Coaching Theories (2)
   EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: BIOL 2130 or BIOL 2140, 2150; EXSS 2850)
   EXSS 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2130 or BIOL 2140; EXSS 2850; PHYS 1250, 1251; or consent of instructor)
   EXSS 4300. Program Development and Management in Physical Education and Sports (3) (P: Health and human performance major or minor; EXSS 2000 or 2323; or consent of instructor)
   EXSS 4301. Comparative Sport and Physical Education: International Aspects (3) (WI) (S,SS) P: Health and human performance major or minor; EXSS 3301)
   EXSS 4502. Independent Study in EXSS (3) (WI) (P: Consent of instructor)
College of Health and Human Performance

Department of Health Education and Promotion

Timothy R. Kelley, Chair, 2201 Carol G. Belk

BS in Athletic Training

The athletic training degree program is a Commission on Accreditation of Athletic Training Education (CAATE) accredited undergraduate program based on a minimum of 126 s.h.: 42 s.h. of foundations curriculum courses, 71 s.h. in the major area, and elective hours which can result in an approved minor or prepare one for further graduate study in an allied health profession, or provide the option of teacher licensure with additional coursework. Upon successful completion of this degree, the student will be eligible to sit for the Board of Certification exam. There is a strong clinical aspect of the program involving a minimum of 800 supervised hours under a certified athletic trainer. Admission to the university does not guarantee admission to the athletic training degree, as it is restricted by an imposed student-to-clinical instructor ratio. Candidates are required to submit a separate application process, and it is due August 15 prior to the fall semester you wish to begin your degree. See program web site for details. Competitive admission is based upon assessments of the applicant’s academic abilities, knowledge, dedication to the profession, and commitment to the health care of others. Eligible applicants must have a minimum cumulative and semester 2.0 GPA, completed ATEP 1800, 2810, 2811 with a minimum grade of C, current cardiopulmonary resuscitation (CPR) and first aid certification from an approved provider, successfully completed a two-semester (fall and spring, consecutively) candidacy period, passed a health screening/physical examination, a letter of formal application on file, and an interview with the athletic training faculty and staff. There are written technical standards for admission that can be found in the Athletic Training Student Handbook and the program’s web site. Athletic training students are required to earn a minimum course grade of C in all athletic training courses. A minimum semester and cumulative GPA of 2.0 must be sustained throughout the program. All students in the degree are required to maintain current CPR certification, TB status, varicella immunization, hepatitis B immunization (or waiver), and liability insurance for the duration of their involvement in the curriculum. Verification of CPR certification and liability insurance are required each academic year. Specific requirements are stated in the Athletic Training Student Handbook. The athletic training degree requires a minimum of 800 practical, supervised clinical hours under the direction of a certified athletic trainer. The candidacy period does not count toward the total hours required. Transfer students must meet the above criteria. No transfer athletic training classes will be accepted, but other course work may be allowed on an individual basis. Minimum degree requirement is 126 s.h. of credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.
BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
BIOL 1051. General Biology Laboratory (1) (F,S,SS) (FC:SC)
HLTH 1000. Health in Modern Society (2) (F,S,SS) (FC:HL)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
PHYS 1250. General Physics (3) (F,S,SS) (FC:SC) (P: MATH 1065)
PHYS 1251. General Physics Laboratory (1) (F,S,SS) (FC:SC) (C: PHYS 1250 or 2350)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)

2. Core - 71 s.h.

ATEP 1800. Orientation to Athletic Training (1) (F) (P: Admission to candidacy period of athletic training curriculum; C: HLTH 1000 or 1050)
ATEP 2800. Medical Nomenclature for Human Performance (2) (F, S, SS)
ATEP 2810. Principles of Athletic Training (3) (S) (C: Current participation in candidacy aspect of the athletic training program; C: ATEP 2811; RC: BIOL 2130, 2140 or 2150; EXSS 2850)
ATEP 2811. Principles of Athletic Training (0) (S) (C: Current participation in candidacy period of athletic training program or consent of instructor; ATEP 2810; RC: BIOL 2130, 2140 or 2150; EXSS 2850)
ATEP 3000. Evidence-Based Medicine for the Health Care Professional (3) (F, SS) (RP: MATH 1065 or equivalent)
ATEP 3200. Field Experience in Athletic Training I (1) (F) (C: Athletic training major; ATEP 3810, 3811)
ATEP 3201. Basic Rehabilitation Techniques in Athletic Training (2) (S) (P: Athletic training major; C: ATEP 3820, 3821)
ATEP 3250. Sports Medicine Treatment Modalities (3) (F) (P: ATEP 3820, 3821; C: ATEP 3251)
ATEP 3251. Sports Medicine Treatment Modalities Lab (1) (F) (P: ATEP 3820, 3821; C: ATEP 3250)
ATEP 3270. Pathology and General Medicine in Sport (3) (S) (P: BIOL 2130 or 2140 or 2150)
ATEP 3271. Clinical Experience in Medicine (1) (F,S,SS) (P: ATEP 3200, 3270; C: Athletic training major)
ATEP 3280. Therapeutic Rehabilitation in Sports Medicine (3) (S) (P: ATEP 3250, 3251; athletic training major; C: ATEP 3281)
ATEP 3281. Therapeutic Rehabilitation in Sports Medicine Lab (1) (S) (P: ATEP 3250, 3251; athletic training major; C: ATEP 3280)
ATEP 3350. Concepts in Pharmacology (3) (F, S, SS) (RP: ATEP 2800 or equivalent)
ATEP 3400. Clinical Experience in an Equipment Intensive Sport (2) (F,S) (C: ATEP 3810, 3811; athletic training major)
ATEP 3500. Clinical Experience in Medical Readiness for Sport (1) (F) (P: ATEP 3820, 3821; C: Athletic training major)
ATEP 3810. Orthopedic Evaluation of the Trunk and Upper Extremity (3) (F) (P: ATEP 2810, 2811; P/C: BIOL 2130, 2140 or 2150; EXSS 2850; C: ATEP 3811)
ATEP 3811. Orthopedic Evaluation of Upper Extremity Lab (1) (F) (P: ATEP 2810, 2811; P/C: BIOL 2130 or 2140; EXSS 2850; C: ATEP 3810)
ATEP 3820. Orthopedic Evaluation of Lower Extremity (3) (S) (P: ATEP 3810, 3811; C: ATEP 3821)
ATEP 3821. Orthopedic Evaluation of Lower Extremity Lab (1) (S) (P: ATEP 3810, 3811; C: ATEP 3820)
ATEP 3860. Sports Medicine Practicum I (3) (S) (P: ATEP 3810, 3811; C: Athletic training major)
ATEP 4300. Field Experience in Athletic Training II (1) (F,S,SS) (P: ATEP 3250, 3251, 3820, 3821; athletic training major; and consent of instructor)
ATEP 4320. Organization and Administration of Sports Medicine (3) (WI) (P: ATEP 3820, 3821)
ATEP 4860. Sports Medicine Practicum II (3) (F) (P: ATEP 3820, 3821; C: Athletic training major)
BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)
EXSS 2850. Structural Kinesiology (1) (F,S)
EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: BIOL 2130 or BIOL 2140, 2150; EXSS 2850)
EXSS 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2130 or BIOL 2140; EXSS 2850; PHYS 1250, 1251; or consent of instructor)
HLTH 2125, 2126. Safety Education and First Aid (3,0) (F,S,SS) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)
HLTH 3020. Health Disparities (3) (F,S,SS) (P: HLTH 1000 or 1050; 3010 or consent of instructor)
MIS 2223. Introduction to Computers (3) (F, S, SS)
NUTR 2105. Nutrition (3)

3. Minor or approved electives to complete requirements for graduation.

**BS in Environmental Health**

A minimum GPA of 2.0 in all 1000 level basic science and math courses, a minimum cumulative GPA of 2.0 on at least 30 s.h., and completion of EHST 2110 are required for admission to the professional phase of the environmental health sciences curriculum. Environmental health majors must pass all environmental health courses with a minimum grade of C. A student earning a D in any of these courses must petition the environmental health sciences faculty for probationary continuation. Minimum degree requirement is 126 s.h. of credit as follows:

1. Foundations Curriculum requirements (For information about courses that carry foundations curriculum credit see [Liberal Arts Foundations Curriculum](#) including those listed below - 42 s.h.

   Required:
   BIOL 1050, 1051. General Biology and Laboratory (3,1) (F,S,SS) (FC:SC)
BIOL 2130. Survey of Human Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
Recommended
COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
HIST 1051. American History Since 1877 (WI*) (3) (F,S,SS) (FC:SO)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
RCLS 2601. Leisure in Society (3) (F,S,SS) (FC:SO)
SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)

2. Common Core - 42 s.h.

Select from the following with advisor approval:
EHST 2110, 2111. Introduction to Environmental Health Sciences and Laboratory (3, 0) (F,S)
EHST 3003. Environmental Epidemiology (3) (F)
EHST 3200. Food Sanitation Principles (3) (S) (P: Consent of instructor; C: EHST 3201)
EHST 3201. Food Sanitation Principles Laboratory (1) (S) (P: Consent of instructor; C: EHST 3200)
EHST 3350. Safe Water (4) (F) (P: BIOL 2110, 2111; CHEM 1160, 1161, C: EHST 3351)
EHST 3351. Safe Water Laboratory (1) (F) (P: BIOL 2110, 2111; CHEM 1160, 1161, C: EHST 3350)
EHST 3370. Waste Water Management (3) (S) (P: EHST 3350, 3351; C: EHST 3371)
EHST 3371. Waste Water Management Laboratory (1) (S) (P: EHST 3350, 3351; C: EHST 3370)
EHST 3600. Air Pollution (3) (F) (P: EHST 2110 or consent of instructor)
EHST 3700. Industrial Hygiene (3) (S) (P: 8 s.h. of general science lab courses or consent of program directors; C: EHST 3701)
EHST 3701. Industrial Hygiene Laboratory (1) (S) (P: Consent of instructor; C: EHST 3700)
EHST 4010. Toxicological Foundations of Risk Assessment (3) (S) (P: BIOL 2130; CHEM 2650, 2651)
EHST 4200. Environmental Health Management and Law (3) (WI) (F) (P: EHST major or minor)
EHST 4300, 4301. Institutional and Recreational Sanitation and Laboratory (3,0) (F) (P: EHST 2110, 3003, 3200, 3201, 3350, 3351, 3370, 3371; or consent of instructor)
EHST 4350, 4351. Vector Borne Disease Ecology and Laboratory (3,0) (F) (P: EHST 2110, 3003, 3350, 3351, 3370, 3371; or consent of instructor)
EHST 4990. Environmental Health Internship (3) (P: EHST major; 13 s.h. in EHST or consent of program director)
EHST 5001. Environmental Health Seminar (1) (May be taken more than once)
EHST 5800, 5801. Solid and Hazardous Waste Management and Laboratory (3,0) (P: CHEM 1160, 1161 or consent of instructor)
3. Cognates - 30 s.h.

Required Cognates (24 s.h.):
BIOL 2110, 2111. Fundamentals of Microbiology and Laboratory (3,1) (F,S) (FC:SC) (P for 2110: CHEM 1120, 1130 or BIOL 1100 and CHEM 1150; 2.75 GPA or consent of instructor; RP for 2110; BIOL 1050, 1051 or 1100, 1101; P/C for 2111: BIOL 2110) CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C: MATH 1065; C for 1150: CHEM 1151; C for 1151: CHEM 1150) CHEM 1160, 1161. General Chemistry and Laboratory II (3,1) (F,S,SS) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085) CHEM 2650, 2651. Organic Chemistry for the Life Sciences (4,1) (F) (P: CHEM 1160, 1161)
PHYS 1250, 1251. General Physics and Laboratory (3,1) (F,S,SS) (FC:SC) (P: MATH 1065)
MATH 2228. Elementary Statistical Analysis (3) (F,S,SS) (P: MATH 1065 or equivalent) or BIOS 1500. Introduction to Biostatistics (3) (P: MATH 1065 or equivalent or consent of instructor)
Recommended Cognates (select at least 6 s.h.)
MIS 2223. Introduction to Computers (3) (F,S,SS)
PHYS 1260, 1261. General Physics and Laboratory (3,1) (P: PHYS 1250)
GEOG 3220. Soil Properties, Surveys, and Applications (3) (F) (P: GEOG 2250) or GEOL 5710, 5711. Ground Water Hydrology (3,0) (P: GEOL 1500, 1501 or consent of instructor)
MATH 2119. Elements of Calculus (3) (F,S,SS) (FC:MA) (P: Minimum grade of C in MATH 1065 or MATH 1066)
MATH 2121. Calculus for the Life Sciences (3) (F,S,SS) (FC:MA) (P: MATH 1065 with a minimum grade of C)

4. Electives to complete requirements for graduation

Choose at least 6 s.h. of EHST electives from the 3000 level and above.

BS in Public Health Studies

Students entering the public health studies degree program choose one of three concentrations: community health, prehealth professions, or worksite health promotion. The community health concentration requires a minimum cumulative GPA of 2.5 for entry and thereafter the student must maintain a minimum 2.0 GPA in the required cognates and pass all health education core courses with a minimum grade of C. A student earning a D in any of these courses must petition the Department of Health Education and Promotion for probationary continuation. No student on probation may enroll for HLTH 4991, Health Education and Promotion Internship. Students entering the worksite health promotion concentration must have a minimum cumulative 2.0 GPA and a minimum 2.5 GPA calculated on three courses: ECON 2113; HLTH 2000; PSYC 3241. Students entering the prehealth professions concentration must have a minimum cumulative 2.0 GPA and a minimum 2.75 GPA calculated on the following courses: BIOL 1100, 1101, 1200,
Prehealth professions students must complete an interview with health education faculty. Minimum degree requirement is 126 s.h. as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*) including those listed below for all options as well as additional foundations curriculum requirements for each option - 42 s.h.

   All concentrations:
   HLTH 1000. Health in Modern Society (2) (F,S,SS) (FC:HL)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)

   Community Health:
   BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
   BIOL 1051. General Biology Laboratory (1) (F,S,SS) (FC:SC)
   BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (FC:SC) (P: BIOL 1050, 1051; or 1100, 1101)
   COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)

   Prehealth Professions:
   BIOL 1100, 1101. Principles of Biology and Laboratory 1 (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100)
   BIOL 1200, 1201. Principles of Biology and Laboratory II (3,1) (F,S,SS) (FC:SC) (P/C for 1201: BIOL 1200)

   Worksite Health Promotion:
   BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
   BIOL 1051. General Biology Laboratory (1) (F,S,SS) (FC:SC)
   BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)
   PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC:SO)

2. Common core - 24 s.h.

   BIOS 1500. Introduction to Biostatistics (3) (F,S) (P: MATH 1065 with a grade of C or better or equivalent or consent of instructor) or MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (FC:MA) (P: MATH 1065 or equivalent)
   EHST 2110, 2111. Introduction to Environmental Health Sciences and Laboratory (3,0) (F,S)
   HLTH 2000. Principles of Public Health (3) (P: HLTH 1000)
   HLTH 3010. Health Problems I (3) (F,S,SS) (P: BIOL 2130 or 2140; HLTH 1000 or 1050; or consent of instructor)
   HLTH 3011. Introduction to Epidemiology in Health Education and Promotion (3) (F,S,SS)
   HLTH 3020. Health Disparities (3) (F,S,SS) (P: HLTH 1000 or 1050; 3010 or consent of instructor)
3. Concentration (Choose one option.) - 37-49 s.h.

Community Health (37 s.h.):
- BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (FC:SC) (P/C: BIOL 2130)
- HLTH 3000. Theory and Practice in Community Health Education (3) (S)
- HLTH 3002. Women’s Health Across the Lifespan (3) (P: HLTH 3010)
- HLTH 3520. Introduction to Global Health (3) (S) (P: HLTH 1000 or 1050; or consent of instructor)
- HLTH 4605. Community Strategies for Health Education (3) (F,S,SS) (WI*) (P: HLTH 3000 or consent of instructor)
- HLTH 4609. Needs Assessment and Program Planning (3) (P: BIOS 1500 or MATH 2228; EHST 2110, 2111; HLTH 2000, 3010, 3011, 3020, 3030, 3050; or consent of instructor)
- HLTH 4611. Program Evaluation (3) (P: HLTH 4609)
- HLTH 4880. Capstone: Applied Principles of Health Education and Promotion (3) (P: BIOS 1500 or MATH 2228; EHST 2110, 2111; HLTH 2000, 3010, 3011, 3020, 3030, 3050, 4609, 4611; or consent of instructor)
- HLTH 4991. Health Education and Promotion Internship (12) (F,S,SS) (P: Completion of all other major requirements)

NUTR 1000. Contemporary Nutrition (3) or NUTR 2105. Nutrition Science (3)

Prehealth Professions (41-49 s.h.)

Basic Science Requirements:
- BIOL 2140, 2141. Human Physiology and Anatomy (3,1) (P: CHEM 1120 or 1150; 2.75 GPA or consent of instructor; C for 2140: BIOL 2141; C for 2141: BIOL 2140)
- BIOL 2150, 2151. Human Physiology and Anatomy (3,1) (P: BIOL 2140; 2.75 GPA or consent of instructor; C for 2150: BIOL 2151; P for 2151: BIOL 2141; C for 2151: BIOL 2150)
- CHEM 1150, 1151. General Chemistry and Laboratory (3,1) (F,S,SS) (FC:SC) (P/C: MATH 1065; C for 1150: CHEM 1151; C for 1151: CHEM 1150)
- CHEM 1160, 1161. General Chemistry and Laboratory II (3,1) (F,S,SS) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
- HIMA 3000. Medical Terminology for Health Professionals (3) (F,S,SS) or ATEP 2800. Medical Nomenclature for Human Performance (2) (F,S,SS)

Choose either:
- CHEM 2750, 2753. Organic Chemistry I and Laboratory (3,1) (F,S,SS) (P: CHEM 1160, 1161) and CHEM 2760, 2763. Organic Chemistry II and Laboratory (3,1) (F,S,SS) (P: CHEM 2750) and/or PHYS 1250, 1251. General Physics and Laboratory (3,1) (F,S,SS) (FC:SC) (P: MATH 1065) and PHYS 1260, 1261. General Physics II and Laboratory (3,1) (F,S,SS) (FC:SC)

Health Education Requirements:
HLTH 3300. Introduction to Patient Education (3) (P: HLTH 3010 or consent of instructor)
Choose 12 s.h. from the following:

ANTH 3252. Medical Anthropology (3) (P: ANTH 1000 or 2010 or 2200)
BIOL 2110, 2111. Fundamentals of Microbiology and Laboratory (3,1) (F,S) (FC:SC) (P for 2110: CHEM 1120, 1130 or BIOL 1100 and CHEM 1150; 2.75 GPA or consent of instructor; RP for 2110; BIOL 1050, 1051 or 1100, 1101; P/C for 2111: BIOL 2110)
BIOL 2300. Genetics (3) (P: BIOL 1100, 1200)
BIOS 5010. Epidemiology for Health Professionals (3) (P: BIOS 1500 or consent of instructor)
BIOL 5800, 5821. Principles of Biochemistry and Laboratory (3,1) (P: for 5800: BIOL 3310, 3311; or consent of instructor; CHEM 2760, 2763; P/C for 5821 for undergraduate students: BIOL 5800 or 5810)
BIOL 5810. Principles of Biochemistry II (3) (P: BIOL 3310, 3311; or consent of instructor; CHEM 2760, 2763)
CHEM 2770, 2771. Biological Chemistry and Lab (3,1) (S) (P: CHEM 2650 or 2760)
EXSS 3805. Physiology of Exercise (3) (P: BIOL 2130 or 2140, 2150; EXSS 2850)
HLTH 3515. AIDS HIV Disease in Modern Society (3) (P: HLTH 1000 or 1050 or consent of instructor)
HLTH 4001, 4901. Prehealth Professions Clinical Field Experience (3,3) (F,S,SS) (P: HLTH 3010, 3020 and consent of instructor)
HLTH 4910. Prehealth Professions Internship (6) (F,S,SS) (P: Completion of all major requirements and consent of program director)
HLTH 5310. Education for Human Sexuality (3) (P: Health education major or consent of instructor)
HPRO 2100. Perspectives in Health Care (2)
HPRO 5000. Seminar in Human Sexual Dysfunctions (3)
PHIL 3281. Introduction to Philosophical Ethics in the Health Care Profession (3) (WI*) (FC:HU)
SOCL 3327. Introductory Medical Sociology (3) (FC:SO) (P: SOCL 2110 or consent of instructor)
SOCL 5200. Seminar in Sociology of Health (3) (P: SOCL 2110 or consent of instructor)
Worksite Health Promotion (48 s.h.):
BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (FC:SC) (P/C: BIOL 2130)
EXSS 2850. Structural Kinesiology (1) (F,S,SS)
EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: BIOL 2130 or BIOL 2140, 2150; EXSS 2805)
EXSS 4805. Exercise Evaluation and Prescription Laboratory (1) (F,S,SS) (C: EXSS 4806)
EXSS 4806. Exercise Evaluation and Prescription (3) (WI) (F,S,SS) (P: Health and human performance major or minor; EXSS 3805; or consent of instructor; C: EXSS 4805)
FINA 2244. Legal Environment of Business (3) (F,S,SS)
HLTH 4006. Health Promotion in the Workplace (3) (F)
HLTH 4609. Needs Assessment and Program Planning (3) (P: BIOS 1500 or MATH 2228; EHST 2110, 2111; HLTH 2000, 3010, 3011, 3020, 3030, 3050; or consent of instructor)
HLTH 4611. Program Evaluation (3) (P: HLTH 4609)
HLTH 4700. Practicum Seminar in Worksite Health Education (3) (S) (P: HLTH 4200)
HLTH 4880. Capstone: Applied Principles of Health Education and Promotion (3) (P: BIOS 1500 or MATH 2228; EHST 2110, 2111; HLTH 2000, 3010, 3011, 3020, 3030, 3050, 4609, 4611; or consent of instructor)
HLTH 4991. Health Education and Promotion Internship (12) (F,S,SS) (P: Completion of all other major requirements)
MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)
NUTR 1000. Contemporary Nutrition (3) or NUTR 2105. Nutrition Science (3)

4. Electives: It is recommended that courses be taken which reinforce content in the physical, social, and behavioral sciences, or provide the student with a community health specialty area such as gerontology, environmental health, or health promotion. Number of elective hours varies by concentration.

**BS in School Health Education**

Students entering the school health degree program must have a minimum cumulative 2.5 GPA. See Section 4, Academic Advisement, Progression and Support, Special Requirements for the BS Degree for Students Preparing to Teach. See Section 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **126 s.h.** of credit as follows: Note: These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see [Liberal Arts Foundations Curriculum](#)) including those listed below - 42 s.h.

   - BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
   - BIOL 1051. General Biology Laboratory (1) (F,S,SS) (FC:SC)
   - BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)
   - HLTH 1000. Health in Modern Society (2) (F,S,SS) (FC:HL)
   - MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
   - PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   - PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
   - SOCI 1025. Courtship and Marriage (3) (F,S,SS) (FC:SO)
   - Choose a history course (FC:SO)
   - Choose a literature course (FC:HU)
2. Core - 54 s.h.

BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)  
EDTC 4001. Technology in Education (2) (F,S) (P: Admission to upper division)  
EDUC 3200. Foundations of American Education (3) (WI*) (F,S,SS) (P: Early experience course or consent of instructor)  
EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division; C: Senior I semester) or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)  
HLTH 2000. Principles of Public Health Education (3) (P: HLTH 1000)  
HLTH 2123. Early Experiences for the Prospective Teacher (1) (F) (P: HLTH 1000 or 1050)  
HLTH 2125, 2126. Safety Education and First Aid (3,0) (F,S,SS) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)  
HLTH 3010. Health Problems I (3) (F,S,SS) (P: BIOL 2130 or 2140; HLTH 1000 or 1050; or consent of instructor)  
HLTH 3020. Health Disparities (3) (F,S,SS) (P: HLTH 1000 or 1050; 3010 or consent of instructor)  
HLTH 3030. Health Behavior (3) (WI) (F,S,SS) (P: HLTH 1000 or 1050; PSYC 1000)  
HLTH 3244. Practices and Procedures in Health for Elementary School (2) (F,S,SS) (P: HLTH 1000 or 1050 and any 2123 course, or consent of the instructor)  
HLTH 3355. Alcohol, Tobacco, and Other Drugs Education and Prevention (3) (F)  
HLTH 4323. Methods of Teaching Health Education (3) (F,S) (P: Admission to upper division)  
HLTH 4324. Internship in Health Education (10) (F,S) (P: Admission to upper division; EDUC 3200; HLTH 2123; completion of HLTH 4323 with a minimum grade of C; PSYC 1000; C: HLTH 4326)  
HLTH 4326. Internship Seminar: Issues in Health Education (1) (F,S) (P: Admission to upper division; C: HLTH 4324)  
HLTH 5310. Education for Human Sexuality (3) (P: Health education major or consent of instructor)  
NUTR 1000. Contemporary Nutrition (3) or NUTR 2105. Nutrition Science (3)  
READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)  
SPED 4010. Effective Instruction in Inclusive Classrooms (2) (F,S) (RP: SPED 2000)

http://www.ecu.edu/cs-acad/ugcat/RecLeisure.cfm

College of Health and Human Performance

Department of Recreation and Leisure Studies

89
BS in Recreation and Park Management

The Recreation and Park Management (RPM) program is accredited by the Council on Accreditation for Recreation, Parks, Tourism, and Related Professions. Students wishing to declare a major in recreation and park management at the time of entrance into the degree, need to possess a minimum overall GPA of 2.0; have no more than 10 s.h. of foundations curriculum remaining; have completed MATH 1065 or 1066 or higher-level MATH for which MATH 1065 is a prerequisite, have completed a brief, written application (available at www.ecu.edu/rcls); and have met with a RPM faculty member. RCLS courses at the 3000 level and above cannot be taken before admission to the major or minor; they may be taken by consent of instructor, when appropriate. Students majoring in recreation and park management must maintain a minimum cumulative 2.0 GPA and a minimum cumulative 2.0 overall GPA in all core and cognate courses to remain in good standing. Majors must earn a minimum grade of C in all required core and cognate RCLS prefix courses. If a non-RCLS prefix course is approved as a substitution for a required core or cognate RCLS prefix course, a minimum grade of C must be earned. Students dropping below the required 2.0 GPA will not be allowed to enroll in any additional RCLS prefix courses. If a student receives a D or F grade in a required core or cognate RCLS prefix course, the student can re-take it without meeting the 2.0 GPA requirements. If a student seeks to enroll in additional required RCLS courses while re-taking a course in which they made a D or F, they must appeal their enrollment to the RCLS department chair within two weeks of the posting of final course grades. Students graduating from the RPM program are eligible to sit for the national examination to become a certified park and recreation professional (CPRP) and thereby acquire this valuable credential for professional advancement. The minimum degree requirement is 123 s.h. of credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.

   BIOL 1050. General Biology (3) (F,S,SS) (FC:SC) and BIOL 1051. General Biology Laboratory (1) (F,S,SS) (FC:SC) or BIOL 1060. Environmental Biology (4) (F,S,SS) (FC:SC) or BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100) or BIOL 1200, 1201. Principles of Biology and Laboratory II (3,1) (FC:SC) (P/C for 1201: BIOL 1200)

   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)

   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)

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

   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)

   SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)
2. Common core - 41 s.h.

RCLS 2000. Introduction to Leisure Services (3) (F,S,SS)
RCLS 3003, 3004. Leisure Programming and Laboratory (3,1) (F,S) (3 lecture and 2 lab hours per week) (P: Declared RT major or RPM major or minor; P/C: RCLS 2000; C for 3003: RCLS 3004; C for 3004: RCLS 3003)
RCLS 3131. Inclusive Recreation (3) (F)
RCLS 4000. Research Methods and Techniques (3) (F,S) (P: Declared RCLS RT major, or RPM major or minor; RCLS 3003, 3004)
RCLS 4002. Administration of Leisure Services (3) (S) (P: RCLS 3003, 3004)
RCLS 4004. Philosophical and Theoretical Issues in Leisure (3) (WI) (F,S) (P: Declared RT or RPM major or minor; RCLS 3003, 3004)
RCLS 4120. Leisure Services Marketing (3) (S) (P: RCLS 3104 or 3120 or consent of instructor)
RCLS 4122. Case Studies in Leisure Management (3) (F) (P: RCLS 3104 or 3120 or consent of instructor)
RCLS 4901. RPM Internship Pre-Placement Seminar (1) (F,S) (P: Declared RPM major; minimum cumulative 2.0 GPA; consent of RCLS advisor)
RCLS 4990. Recreation Internship (12) (WI) (F,S,SS) (P: Declared RPM major or minor; RCLS 4901; senior standing; minimum cumulative 2.0 GPA; minimum grade of C in all RCLS courses; successful completion of all other degree requirements and current certification in first aid and CPR)
RCLS 5111. Recreational Facility Management (3) (P: 3104 or 3120; or consent of instructor)

3. Concentration area (Choose one.) - 33-34 s.h.

Commercial Recreation and Tourism:
Cognates (21 s.h.)
ACCT 2101. Survey of Accounting (3) (F,S) (P: MATH 1065 or 1066) or ACCT 2401.
Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066 or 2119 or 2121 or 2171)
FINA 2244. Legal Environment of Business (3) (F,S,SS)
ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
MGMT 3202. Fundamentals of Management (3) (F, S, SS) (P: ECON 2113)
MIS 2223. Introduction to Computers (3) (F, S, SS)
RCLS 3120. Commercial Recreation and Tourism (3) (S)
RCLS 4121. Tourism Planning and Development (3) (F) (P: RCLS 3120 or consent of instructor)
Restricted Electives (Choose 12 s.h. from the following.):
ACCT 2521. Managerial Accounting (3) (F, S, SS) (P: ACCT 2401; MIS 2223)
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
FINA 3004. Survey of Financial Management (3) (F,S,SS) (P: ACCT 2104 or 2401; ECON 2113; MATH 2283) or FINA 3724. Financial Management (3) (F,S,SS) (P: ECON 2113; MATH 2283; P/C: ACCT 2521)
GEOG 2019. Geography of Recreation (3) (F) (FC:SO)
GEOG 4335. Geography of Tourism (3) (FC:SO)
HLTH 2125, 2126. Safety Education and First Aid (3) (F,S,SS) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)
HMGT 1350. Introduction to Food Service and Lodging Management (3)
HMGT 3200. Dimensions of Tourism (3) (P: HMGT 1350)
HMGT 4200. Travel and Tourism Management (3) (P: HMGT 3200)
MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)
MGMT 4262. Small Business Management (3) (SL*) (WI) (F,S) (P: FINA 37244; MGMT 3202 or 3302: MKTG 3852)
MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)
RCLS 2400. Facilitation and Leadership of Adventure-Based Programs (3) (F,S)
RCLS 2600. Outdoor Recreation Activities (3) (F,S)
RCLS 2601. Leisure in Society (3) (F,S,SS)
RCLS 3104. Public and Non-Profit Recreation (3) (F) (P: RCLS 2000; or consent of instructor; P/C: RCLS 3003, 3004)
RCLS 4111. Design of Parks and Recreation Facilities (4) (F) (P: 3104 or 3120; or consent of instructor)
RCLS 5100. Aquatics Facilities Management (3)
RCLS 5101. Waterfront Facilities Operation (3)
Outdoor Recreation:
Cognates (22 s.h.)
ACCT 2101. Survey of Accounting (3) (F,S) (P: MATH 1065 or 1066) or ACCT 2401.
Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066 or 2119 or 2121 or 2171)
ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
MGMT 3202. Fundamentals of Management (3) (F,S,SS) (FC:SO) (P: ECON 2113)
RCLS 3104. Public and Non-Profit Recreation (3) (F) (P: RCLS 2000 or consent of instructor; P/C: RCLS 3003, 3004)
RCLS 3300. Outdoor Programming (3) (S)
RCLS 3301. Recreational Interpretation of Cultural and Natural Resources (3)
RCLS 4111. Design of Parks and Recreation Facilities (4) (F) (P: Declared RPM major or minor; RCLS 3003, 3004)
Restricted Electives (Choose 12 s.h. from the following.)
BIOL 3230, 3231. Field Botany (4,0) (F,S,SS) (P: BIOL 1050, 1051 or 1100, 1101)
BIOL 3240, 3241. Field Zoology (4,0) (F) (P: BIOL 1060 or 2250)
BIOL 3660, 3661. Introduction to Marine Biology and Lab (3,1) (F,S)
COAS 2025. Survey of Coastal and Marine Resources (3) (F)
HLTH 2125, 2126. Safety Education and First Aid (3) (F,S,SS) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)
PLAN 3020. Environmental Planning (3) (F)
RCLS 2400. Facilitation and Leadership of Adventure-Based Programs (3) (F,S)
RCLS 2600. Outdoor Recreation Activities (3) (F,S)
RCLS 2601. Leisure in Society (3) (F,S,SS)
RCLS 3120. Commercial Recreation and Tourism (3) (S)
RCLS 4111. Design of Parks and Recreation Facilities (4) (F) (P: RCLS 3104 or 3120; or consent of instructor)
RCLS 4121. Tourism Planning and Development (3) (F) (P: RCLS 3120; or consent of instructor)
RCLS 5100. Aquatics Facilities Management (3)
RCLS 5101. Waterfront Facilities Operation (3)

Community and Nonprofit Recreation:
Cognates (22 s.h.)
ACCT 2101. Survey of Accounting (3) (F,S) (P: MATH 1065 or 1066) or ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066 or 2119 or 2121 or 2171)
FINA 2244. Legal Environment of Business (3) (F,S,SS)
ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
MGMT 3202. Fundamentals of Management (3) (F, S, SS) (P: ECON 2113 FC:SO)
RCLS 3104. Public and Non-Profit Recreation (3) (F) (P: RCLS 2000 or consent of instructor; P/C: RCLS 3003, 3004)
RCLS 3300. Outdoor Programming (3) (S)
RCLS 4111. Design of Parks and Recreation Facilities (4) (F) (P: Declared RPM major or minor; RCLS 3003, 3004)

Restricted Electives Choose 12 s.h. from the following.:
HLTH 2125, 2126. Safety Education and First Aid (3) (F,S,SS) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)
RCLS 2400. Facilitation and Leadership of Adventure-Based Programs (3) (F,S)
RCLS 2600. Outdoor Recreation Activities (3) (F,S)
RCLS 2601. Leisure in Society (3) (F,S,SS)
RCLS 3120. Commercial Recreation and Tourism (3) (S)
RCLS 4121. Tourism Planning and Development (3) (F) (P: RCLS 3120 or consent of instructor)
RCLS 5100. Aquatics Facilities Management (3)
RCLS 5101. Waterfront Facilities Operation (3)

Business administration minor courses (ECON 2113 may count toward FC:SO requirement)
Exercise and sport science minor courses (BIOL 1050, 1051, BIOL 2130, 2131 may count toward FC:SC requirement)

Recreational Sports Leadership:
Cognates (21 s.h.)
EXSS 3300. Applied Sports Psychology (3) (P: PSYC 1000)
EXSS 3301. Physical Education and Sport in Modern Society (3) (F,SS) (P: Health and human performance major or minor, or consent of instructor)
RCLS 3104. Public and Non-Profit Recreation (3) (F) (P: RCLS 2000; or consent of instructor; P/C: RCLS 3003, 3004)
RCLS 3120. Commercial Recreation and Tourism (3) (S)
RCLS 3500. Recreation Leadership and Group Process (2) (S) (C: RCLS 3501)
RCLS 3501. Recreation Leadership and Group Process Lab (1) (S) (C: RCLS 3500)
RCLS 4130. Recreational Sport Programming (3) (P: RCLS 3003, 3004; or consent of instructor)
RCLS 4170. Youth Development Organizations and Services (3) (S) (P: PSYC 1000; junior standing)
Restricted Electives (Choose 12 s.h. from the following.)
CDFR 2000. Child Development I: Prenatal Through Early Childhood (3) (F,S,SS)
CDFR 2001. Child Development II: Middle Childhood Through Young Adulthood (3) (F,S,SS)
EXSS 3600. Coaching Theories (2)
GERO 2400. Introduction to Gerontology (3) (FC:SO) (Same as CDFR 2400; SOCW 2400)
HLTH 2125, 2126. Safety Education and First Aid (3,0) (F,S,SS) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)
RCLS 2400. Facilitation and Leadership of Adventure-Based Programs (3) (F,S)
RCLS 2600. Outdoor Recreation Activities (3) (F,S)
RCLS 2601. Leisure in Society (3) (F,S,SS) (FC: SO)
RCLS 3300. Outdoor Programming (3) (S)
SOCI 3220. Sociology of Deviant Behavior (3) (F,S,SS) (FC:SO) (P: SOCI 2110)
SOCI 4350. Social Change (3) (FC:SO) (P: SOCI 2110)
Other EXSS courses approved by advisor
Courses from the Business Administration minor

4. Electives to complete requirements for graduation.

**BS in Recreational Therapy**

Any student wishing to declare a major in recreational therapy (RT) must, at the time of entrance into the curriculum, possess a minimum 2.0 GPA; have no more than 10 s.h. of foundations curriculum remaining; have submitted a written application; have a personal interview with a faculty member; and have completed a sequencing form (timetable) in consultation with the RCTX advisor. Prior to registering for 4000 level RCTX courses, all RT students are required to complete the ‘Recreational Therapy Career Exploration Experience’. This requires 60 documented hours of directed experience assisting with recreational therapy programs and recreation or allied health based services to persons with disabilities. Information relating to this process is provided via departmental Web site, through the HHP advising center and through the RCTX faculty. Admission to recreational therapy is competitive and limited due to space availability. Majors must maintain a minimum cumulative 2.0 GPA and a minimum cumulative 2.0 GPA in all cognate courses to remain in good standing. Majors must earn a minimum grade of C in all required RCLS and RCTX courses. A student wishing to appeal should contact the RCLS department chair within two weeks of notification of academic deficiency. Graduates are eligible to apply to sit for the examination to become credentialed nationally as a Certified Therapeutic Recreation Specialist (CTRS) and Licensed Recreational Therapist (LRT) in North Carolina. The minimum degree requirement is 125 s.h. of credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see [Liberal Arts Foundations Curriculum](#) including those listed below - 42 s.h.

   BIOL 1050, 1051. General Biology and Laboratory (3,1) (F,S,SS) (FC:SC), or BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100)
BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)
COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair) or MATH 1067. Algebraic Concepts and Relationships (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 2275. Psychology of Adjustment (3) (F,S) (FC:SO)
SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)

2. Core - 51 s.h.

RCLS 2000. Introduction to Leisure Services (3) (F,S,SS)
RCLS 3003, 3004. Leisure Programming and Laboratory (3,1) (F,S) (3 lecture and 2 lab hours per week) (P: Declared RT major or RPM major or minor; P/C: RCLS 2000; C for 3003: RCLS 3004; C for 3004: RCLS 3003)
RCLS 4000. Research Methods and Techniques (3) (F,S) (P: Declared RT major or RPM major or minor; RCLS 3003, 3004)
RCLS 4004. Philosophical and Theoretical Issues in Leisure (3) (WI) (F,S) (P: Declared RT or RPM major or minor; RCLS 3003, 3004)
RCTX 2230. Recreational Therapy Foundations (3) (F,S) (Formerly RCLS 2230)
RCTX 3240. Disability Survey for Recreational Therapy Services (3) (F,S) (Formerly RCLS 3240) (P: Declared RT major; BIOL 2130, 2131; RCLS 2000; or consent of instructor)
RCTX 4250. Recreational Therapy Program Design (3) (F,S) (Formerly RCLS 4250) (P: Declared RT major; RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor)
RCTX 4252. Recreational Therapy Leadership and Group Dynamics (3) (S) (Formerly RCLS 4252) (P: Declared RT major; RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor)
RCTX 4260. Recreational Therapy Senior Practicum (3) (F,S) (Formerly RCLS 4260) (P: Declared RT major; RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor)
RCTX 4262. Recreational Therapy Interventions and Techniques (3) (F) (Formerly RCLS 4262) (P: Declared RT major; RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor)
RCTX 4264. Recreational Therapy Assessment, Documentation, and Evaluation (3) (F) (Formerly RCLS 4264) (P: Declared RT major; RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor)
RCTX 4266. Organization and Management of Recreational Therapy Services (3) (F,S) (Formerly RCLS 4266) (P: Declared RT major; RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor)
RCTX 4902. Recreational Therapy Internship Pre-placement Seminar (2) (F,S) (Formerly RCLS 4902) (P: Declared RT major; minimum cumulative 2.0 GPA; consent of RCTX advisor)
RCTX 4990. Recreational Therapy Internship (12) (WI) (F,S,SS) (P: Senior standing; declared RT major; minimum cumulative 2.0 GPA; minimum grade of C in all RCLS and RCTX courses; successful completion of all other degree requirements and current certification in First Aid and CPR)

http://www.ecu.edu/cs-acad/ugcat/CDFR.cfm

College of Human Ecology

Department of Child Development and Family Relations

BS in Birth Through Kindergarten Teacher Education

Freshmen may declare birth through kindergarten (BK) teacher education as their major. Transfer students must have completed at least 12 s.h. at East Carolina University with a minimum cumulative grade point average (GPA) of 2.5 to declare. Prior to enrolling in selected courses, all BK majors must be admitted to the Upper Division of Teacher Education. Requirements for admission to upper division include, but are not limited to, satisfactory scores on all parts of PRAXIS I, a minimum cumulative GPA of 2.5, and demonstration of computer competency. In addition, BK majors must achieve a minimum grade of C in all courses required for the major. Students earning less than a C in a prerequisite major course must repeat the course before the subsequent upper-level course may be taken.

A semester-long internship is the culminating experience for BK Teacher Education majors. Applications for admission to internship (CDFR 4324, 4325) must be submitted to the internship coordinator one year prior to the semester in which the student will complete internship requirements. Prior to internship, BK majors must have completed the following courses with a minimum grade of C: CDFR 1103, 2000, 2001, 2123, 2124, 3150, 3215, 3306, 3321, 4121, 4122, 4123, 4200, 4300, 4320; EDTC 4001; EDUC 3002, 3200, 4400; ELEM 3249; SPED 2000, 3005. Students who successfully complete all requirements and have a minimum cumulative GPA of 2.5 are recommended for BK licensure. A minimum grade of C in internship is required for licensure. Additional information about upper division, internship, and NC teacher licensure can be found in the College of Education section of this catalog and in the handbook, Welcome to Teacher Education.

The birth through kindergarten (BK) teacher education program is offered both on-campus and online. Online delivery is designed as a 2 + 2 degree-completion program that is administered in cohorts. To be admitted to a distance education (DE) cohort, individuals must first be admitted to ECU and contact the DE coordinator for admission to the BS BK DE cohort. Criteria for admission to the BS BK DE cohort include completion of all foundations curriculum
requirements, passing scores on all parts of PRAXIS I (or designated SAT or ACT scores,) computer competency, and reliable Internet access. BS BK DE cohorts begin fall semester each year. Information about the proposed schedule for offering courses online can be found at [www.ecu.edu/che/cdfr](http://www.ecu.edu/che/cdfr). The BS in BK teacher education program requires on-campus attendance for orientation, admission to upper division interviews, and senior-year internship seminars.

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

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*) including those listed below - 42 s.h.

   ANTH 1050. Global Understanding (3) (F, S) (FC:SO) or ANTH 2010. Societies Around the World (3) (F,S,SS) (FC:SO) or ANTH 2200. Introduction to Cultural Anthropology (3) (F,S) (FC: SO) or GEOG 1000. People, Places, and Environments (3) (F,S,SS) (FC:SO)
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   MUSC 3018. Introduction to Basic Music Skills for Elementary School Teachers (3) (F,S,SS) (FC:FA)
   POLS 1010. National Government (3) (F,S,SS) (FC:SO)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   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.

   CDFR 2123. Early Experience in Birth through Kindergarten Education (1) (F)
   CDFR 4123. Learning Environments and Teaching Methods in Early Childhood Education (3) (F) (Requires practicum hours) (P: CDFR 4121, 4122, 4200, 4300; admission to upper division; RP: CDFR 3306)
   CDFR 4324. Internship in Birth Through Kindergarten Education (10) (S) (P: Admission to upper division; CDFR 2124, 3215, 3306, 3321, 4121, 4122, 4123, 4300; professional studies courses; SPED 3005; C: CDFR 4325, 4406)
   CDFR 4325. Internship Seminar: Issues in Birth-Kindergarten Education (2) (S) (P: Admission to upper division and consent of instructor; C: CDFR 4324)
   EDTC 4001. Technology in Education (2) (F,S,SS) (P: Admission to upper division)
   EDUC 3002. Introduction to Diversity (3) (F,S)
   EDUC 3200. Foundations of American Education (3) (WI*) (F,S,SS) (P: Early experience course or consent of instructor)
EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division; C: Senior I semester) or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 1000 or 1060)
ELEM 3249. Literacy Development in Early Childhood (3) (F,S) (P: Admission to upper division)
SPED 2000. Introduction to Exceptional Children (2) (F,S,SS)

3. Specialty Area Studies - 42 s.h.

CDFR 1103. Marriage and Family Relations (3) (F,S,SS)
CDFR 2000. Child Development I: Prenatal Through Early Childhood (3) (F,S,SS)
CDFR 2001. Child Development II: Middle Childhood through Young Adulthood (3) (F,S,SS)
CDFR 2124. Interaction Techniques for Working with Young Children (2) (F) (Requires practicum experience) (P: CDFR major)
CDFR 3150. Introduction to Early Childhood Intervention (3) (F,S) (P: CDFR 1103, 2000)
CDFR 3215. The Family As Consumers (3) (S) (P: CDFR 1103)
CDFR 3306. Guiding Children’s Behavior (3) (F,S,SS) (P: CDFR 2000)
CDFR 3321. Infant and Toddler Curriculum (3) (S) (Requires practicum experience) (P: CDFR 3150)
CDFR 4121. Social Studies, Math, and Science Curriculum in Early Childhood (3) (F) (Requires practicum hours) (P: CDFR 3321)
CDFR 4122. Language and Literacy Curriculum in Early Childhood (3) (S) (Requires practicum hours) (P: CDFR 3321)
CDFR 4200. Developmental and Educational Assessment of Young Children (3) (WI) (F) (Requires practicum experience) (P: CDFR 3150)
CDFR 4300. Birth through Kindergarten Curriculum Adaptations for Diverse Learners (3) (S) (Requires practicum experience) (P: CDFR 3150, 3321)
CDFR 4320. Practicum in Teaching Birth-Kindergarten in the Public Schools (1) (F) (P: Admission to upper division and consent of instructor; C: Senior I semester)
CDFR 4406. Parent-Professional Collaboration (3) (WI) (S) (Requires practicum experience) (P: CDFR 4200; C: CDFR 4324)
CDFR 4408. Administration of Programs for Young Children (3) (F) (P: CDFR 3321)

4. Cognates - 3 s.h.

SPED 3005. Instructional Programming in Special Education (3) (F) (P: SPED 2100, 2109; or SPED 2200, 2209; C: 3004)

5. Advisor approved electives to complete requirements for graduation.

**BS in Child Life**

Freshman and transfer students may declare child life as a major. Students must achieve and maintain a 3.0 GPA to remain in the program. Prior to internship (CDFR 4415), students must
have completed the following courses with a minimum grade of B: CDFR 1103, 2000, 2001, 2021, 3002, 3150, 3413, 4200, 4210, 4303, 4993, NUTR 1000. Students must have a 3.0 GPA to enroll in the child life internship and to graduate as a child life major. (Note: Completion of a BS degree with a major in child life does not include certification as a child life specialist. The Child Life Certifying Committee of the Child Life Council oversees the administration of the certification examination. The Department of Child Development and Family Relations will verify completion of degree requirements, but meeting other requirements for certification is the responsibility of each candidate.) In addition, child life internships are only available to students enrolled in a degree completion program. Minimum degree requirement is 126 s.h. of credit as follows.

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.

   BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (FC:SC) (P: BIOL 1050, 1051; or 1100, 1101)
   COMM 2020. Fundamentals of Speech Communication (3) (F,S) (FC:FA) or COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   MUSC 3018. Introduction to Basic Music Skills for Elementary School Teachers (3) (F,S,SS) (FC:FA)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)

2. Core - 56 s.h.

   CDFR 1103. Marriage and Family Relations (3) (F,S,SS)
   CDFR 2000. Child Development I: Prenatal Through Early Childhood (3) (F,S,SS)
   CDFR 2001. Child Development II: Middle Childhood Through Young Adulthood (3) (F,S,SS)
   CDFR 2021. Introduction to Child Life (2) (S) (P: Intended child life major)
   CDFR 3002. Child in the Family (3) (F,S,SS)
   CDFR 3150. Introduction to Early Childhood Intervention (3) (F,S) (P: CDFR 1103, 2000)
   CDFR 3321. Infant and Toddler Curriculum (3) (S) (Requires practicum experience) (P: CDFR 3150)
   CDFR 4200. Development and Educational Assessment of Young Children (3) (WI) (F) (Requires practicum experience) (P: CDFR 3150)
   CDFR 4210. Child Life Practicum (3) (F,S,SS) (P: Child life major; CDFR 3413, 4993)
   CDFR 4303. Families and Cultural Diversity (3) (F,S) (P: CDFR 1103)
   CDFR 4415. Child Life Internship (12) (F,S,SS) (P: Child life major; CDFR 4210, 4993; 3.0 GPA)
CDFR 4993. Early Childhood Practicum (3) (F,S) (P: Child life major; CDFR 2000, 3002, 3321)
NUTR 1000. Contemporary Nutrition (3)
6 s.h. advisor-approved electives

3. Cognates - 9 s.h.

HIMA 3000. Medical Terminology for Health Professionals (3) (F,S,SS)
PSYC 2201. Psychology of Childhood (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060 or equivalent)
Choose a 3 s.h. advisor-approved computer course

4. Restricted electives (Choose from the following.) - 9 s.h.

ANTH 3252. Medical Anthropology (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor) or SOCI 3327. Introductory Medical Sociology (3) (FC:SO) (P: SOCI 2110 or consent of instructor)
ART 3850. Art in the Elementary School (3) (F,S,SS) (FC:FA) (P: Junior standing)
ASLS 2020. Sign Language Studies I (3) (F,S,SS)
CSDI 2100. Introduction to Communication Disorders (3) (F,S,SS)
CSDI 3020. Language Development (3) (F)
ENGL 4950. Literature for Children (3) (F,S,SS) (FC:HU) (P: ENGL 1200)
HLTH 2125, 2126. Safety Education and First Aid (3,0) (F,S,SS)
LIBS 3200. The Art of Storytelling (3) (S)
MUSC 3028. Music Education in Elementary Grades (2) (F,S,SS) (P: MUSC 3018)
MUSC 3048. Music for Exceptional Children (2) (F,S,SS)
MUSC 3058. Music for the Preschool Child (3) (SS) (P: MUSC 3018 or consent of instructor)
MUSC 4277. Music for Group Activities (2) (F) (C: MUSC 4287)
MUSC 4287. Music for Group Activities Practicum (1) (F) (C: MUSC 4277)
PSYC 5380. Psychology of the Exceptional Child (3) (P: PSYC 1000 or 1060)
RCLS 2000. Introduction to Leisure Services (3) (F,S)
SPAN 2117. Spanish for Professionals (3) (P: SPAN 1004 or consent of chair)
SPED 2000. Introduction to Exceptional Children (2) (F,S,SS)
SPED 2102. Introduction to Mental Retardation (3) (F,S,SS)

5. Electives to complete requirements for graduation.

**BS in Family and Consumer Sciences Education**

Freshmen may declare family and consumer sciences (FACS) teacher education as their major. Transfer students must have completed at least 12 s.h. at East Carolina University with a minimum cumulative grade point average (GPA) of 2.5 to declare. Prior to enrolling in selected courses, all FACS students must be admitted to the Upper Division of Teacher Education. Requirements for admission to upper division include, but are not limited to, satisfactory scores on PRAXIS 1, a minimum cumulative GPA of 2.5, and demonstration of computer competency.
In addition, FACS majors must achieve a minimum grade of C in all courses required for the major. Students earning less than a C in a prerequisite major course must repeat the course before the subsequent upper-level course may be taken. Applications for admission to internship must be submitted to the internship coordinator one year prior to the semester in which the student will complete internship requirements. For admission to internship, FACS majors must have a minimum grade of C in the early experience (FACS 2123), methods courses (FACS 4323, FACS 4317), and EDUC 3200. A minimum grade of C in internship (FACS 4324) is required for licensure. Additional information about upper division, internship, and licensure can be found in the College of Education section of this catalog and in the handbook, Welcome to Teacher Education. Minimum degree requirement is 126 s.h. of credit as follows: (Note: These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.)

1. Foundations curriculum and special requirements for certification (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.

   ART 1001. Color and Design (3) (F,S,SS) (FC:FA)
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO) or SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 3206. Developmental Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
   Choose a history course (FC:SO)
   Choose a literature course (FC:HU)

2. Professional studies - 36 s.h.

   EDTC 4001. Technology in Education (2) (F,S) (P: Admission to upper division)
   EDUC 3002. Introduction to Diversity (3) (F, S, SS)
   EDUC 3200. Foundations of American Education (3) (WI*) (F,S,SS) (P: Early experience course or consent of instructor)
   EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division; C: Senior I semester) or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)
   FACS 2123. Early Experience in Family and Consumer Sciences Education (1) (F)
   FACS 4317. Curriculum Development (3) (S) (P: FACS 2123)
   FACS 4323. Methods of Teaching in Family and Consumer Sciences (3) (F) (P: Declared major and admission to upper division)
   FACS 4324. Internship in Family and Consumer Sciences Education (10) (S) (P: Admission to upper division; FACS 4323; C: FACS 4325)
FACS 4325. Internship Seminar: Issues in Family and Consumer Sciences Education (2) (S) (P: Admission to upper division; FACS 4323; C: FACS 4324)
READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)
SPED 2000. Introduction to Exceptional Children (2) (F,S,SS)
SPED 4010. Effective Instruction in Inclusive Classrooms (2) (F,S) (RP: SPED 2000)

http://www.ecu.edu/cs-acad/ugcat/IntDesign.cfm

College of Human Ecology

Department of Interior Design and Merchandising

Katherine L. Swank, Chair, 249A Rivers Building

BS in Interior Design

The interior design major is accredited by the Council for Interior Design Accreditation (CIDA), the National Association of Schools of Art and Design (NASAD), and the National Kitchen and Bath Association (NKBA).

To declare the interior design major, students must have a C or higher in IDSN 1180, 1181, 1281, 1500, 2800; ART 1905; and have a cumulative GPA of at least 2.5. Admission into professional-level courses requires being declared into the major and an acceptable level of proficiency in studio work as shown in the sophomore portfolio review.

Sophomore Portfolio Review: During the sophomore year, students submit portfolios which contain representative work from: IDSN 1181, 1281, 1500, and 2800. This work is evaluated by the interior design faculty, who recommend whether students are prepared to enter the professional-level interior design courses. Students who do not meet the level of proficiency needed for the professional-level courses have the opportunity to resubmit a portfolio a maximum of two additional times. Meeting the minimum standards does not guarantee entry into the professional level. Admission to professional-level courses is competitive and limited.

Policy on Student Projects: The IDMR department reserves the right to retain, exhibit, and reproduce design projects submitted by students for class assignments for the purpose of complying with accreditation and program requirements. Work submitted for grades is the property of the department until it is returned to the students. Minimum degree requirement is 126 s.h. of credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.
ART 1905. The Dimensions of Art (3) (F,S) (FC:FA) (P: Art major)
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 3221. Social Psychology (3) (F,S,SS) (FC:SO)

2. Core - 53 s.h.

IDSN 1180. Interior Design Fundamentals (3)
IDSN 1181. Interior Design Fundamentals Laboratory (3) (C: IDSN 1180)
IDSN 1281. Interior Design Graphics (3) (P: IDSN 1180, 1181)
IDSN 1500. Color and Light in Interior Design (3) (P: IDSN 1180, 1181)
IDSN 2040. Textiles for Interiors (3)
IDSN 2281. Computer-Aided Design in Interior Design (3) (P: IDSN 2800; interior design major)
IDSN 2700. Historic Interiors I: 3000 BC Through Mid-Nineteenth Century (3) (WI)
IDSN 2750. Historic Interiors II: Late Nineteenth and Twentieth Centuries (3) (WI)
IDSN 2800. Interior Design I: Residential Design (3) (P: IDSN 1281, 1500)
IDSN 2850. Interior Design II: Commercial Design (3) (P: IDSN 2800; interior design major)
IDSN 3550. Materials and Specifications for Interior Design (3) (P: IDSN 2040; junior standing; IDMR major)
IDSN 3600. Interior Design III: Systems (3) (P: Junior standing; interior design major)
IDSN 3999. Professional Procedures in Interior Design (2) (P/C: IDSN 3550, 3600)
IDSN 4500. Interior Design IV: Universal Design (3) (P: IDSN 3600)
IDSN 4600. Interior Design V: Commercial Design (3) (P: IDSN 3600)
IDSN 4700. Problems in Interiors (3) (P: IDSN 3600)
IDSN 4880. Interior Design Internship (3) (P: IDSN 3999; senior interior design major; consent of instructor)
Choose an additional 3 s.h. elective from:
IDSN 3650. Kitchen and Bath Design (3) (P: IDSN 3550, 3600)
IDSN 4750. Interior Design for Adaptive Reuse (3) (WI) (P: IDSN 3600)

3. Cognates - 12 s.h.

ACCT 2101. Survey of Financial Management Accounting or ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)
MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)
Choose 6 s.h. from:
MKTG 4362. Marketing Strategy (3) (F,S) (P: MKTG 3832)
MKTG 4752. Advertising and Promotion Management (3) (F,S) (P: MKTG 3832)
MKTG 4790. Distribution Management (3) (F) (P: MKTG 3832)
MKTG 4975. Electronic Commerce (3) (F,S) (P: MKTG 3832)
MKTG 4992. International Marketing (3) (WI) (S) (P: MKTG 3832)
4. Restricted electives - 12 s.h.

Choose 6 s.h. (See Certificate in Urban Design):
PLAN 4003. Urban Form and Design (3) (S)
PLAN 4046. Planning and Design Studio (3) (F,S)
PLAN 4050. World Architecture and Urbanism (3) (S)
PLAN 5985. Historic Preservation Planning (3) (Same as HIST 5985)
Choose 3 s.h. elective from:
ART 1005. Design I (3) (F,S,SS) (FC:FA) (P: ART major or administrative approval)
ART 1015. Design II (3) (F,S,SS) (P: ART 1005, 1020 with a minimum grade of C; ART 1905; or administrative approval)
ART 1020. Drawing (3) (WI*) (F,S,SS) (FC:FA) (P: ART major or administrative approval)
ART 1030. Figure Drawing (3) (F,S,SS) (P: ART 1005, 1020 with a minimum grade of C; ART 1905; or administrative approval)
Choose 3 s.h. elective from:
ART 1906. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905 or 1910)
ART 1907. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905 or 1910)
ART 3950. Architectural History of the Middle East Before 1600 (3) (FC:FA) (P: Junior standing; ART 1905 or 1910; 1906, 1907; or consent of instructor)
ART 4950. Twentieth Century Architecture (3) (F) (P: ART 1906, 1907; or consent of instructor)
ART 4970. History of Nineteenth- and Twentieth-Century Design (3) (S) Same as ART 4970. (P: ART1906, 1907; or consent of instructor)

5. Electives to complete requirements for graduation.

**BS in Merchandising**

Students majoring in merchandising have two concentration options: fashion merchandising or interiors merchandising. To declare the merchandising major, students must have a cumulative 2.5 GPA, complete a minimum of 12 s.h. at ECU, and complete both MRCH 2350 and MATH 1065 with a C or better. Throughout the program students must make a C or better in all MRCH/IDSN major courses. Undeclared majors are allowed to take all MRCH and IDSN 1000 and 2000 level courses (except MRCH 2883 and IDSN 2281) and MRCH 3003 special topic courses. Minimum degree requirement is **126 s.h.** of credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*) including those listed below - 42 s.h.

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
2. Core - 37 s.h.

MRCH 1135. Principles of Merchandising (3)
MRCH 2350. Merchandising Strategies (3) (P: MRCH 1135)
MRCH 2883. Pre-Professional Seminar (1) (P: Merchandising major)
MRCH 3200. Consumer Studies in Merchandising (3) (P: Merchandising majors or minors; MRCH 2350)
MRCH 3350. Merchandising Analysis (3) (P: Merchandising majors or minors; MRCH 2350)
MRCH 3400. Visual Merchandising, Planning, and Operations (3) (P: Merchandising majors or minors; MRCH 1135)
MRCH 3401. Visual/CAD Lab (1) (P: MRCH 3400)
MRCH 3883. Merchandising Internship I (2) (P: MRCH 2883)
MRCH 4209. Directed Study: Research in Merchandising (3) (WI) (P: Merchandising majors or minors; Senior standing)
MRCH 4300. Global Economics: Textiles, Apparel, and Interior Furnishings Industries (3) (WI) (P: MRCH 2034 or IDSN 2040; ECON 2113)
MRCH 4350. Merchandise Planning, Buying and Sourcing (3) (P: MRCH 3350)
MRCH 4883. Merchandising Internship II (3) (WI) (P: Senior merchandising major; minimum cumulative 2.5 GPA; consent of instructor)
MRCH 4999. Merchandising Capstone: Executing the Concept (3) (P: MRCH 4350; Senior merchandising major)
Select 1 of the following:
MRCH 3003. Special Topics (3) (P: MRCH 1135) (May be repeated for credit with change of topic)
MRCH 4400. International Merchandising (3) (P: MRCH 3200; Senior merchandising major)

http://www.ecu.edu/cs-acad/ugcat/NutrDiet.cfm

**College of Human Ecology**

**Department of Nutrition Science**

*William Forsythe, Chair, 148 Rivers Building*

Nutrition is an integrative science that draws from physiology, biology, chemistry, behavior sciences and other disciplines to understand food, behavior and health. In addition to preparing students to become registered dietitians (RD), nutrition science is a great pre-professional major for careers in the allied health sciences. The bachelors of science in nutrition science is a Didactic Program in Dietetics (DPD) approved by the Commission on Accreditation for Dietetics Education (CADE) of the American Dietetic Association. CADE is a specialized accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and the
United States Department of Education. All core classes, cognate classes, and foundations curriculum classes listed below must be completed with a C or higher. To declare a major in nutrition science, students must complete all cognate classes with a C or higher and have at least a 3.0 GPA. To continue in the program and to graduate, students must maintain a 3.0 GPA. Students who fall below the minimum GPA will have one semester to raise their GPA. Failure to do so will result in removal from the major.

The Department of Nutrition Science also offers a dietetic internship that is accredited by CADE. (See graduate catalog for details.) Completion of an approved DPD and an accredited dietetic internship or other accredited/approved supervised experience program are required to become a registered dietitian (RD). Completion of the BS degree in Nutrition Science does not guarantee entrance into an internship. Entrance into our internship is competitive and requires admittance into the graduate school, a minimum 3.0 GPA, and GRE verbal reasoning and quantitative reasoning at or above 30% percentile.

**BS in Nutrition Science**

Each NUTR course must be completed with a minimum grade of C. Minimum degree requirement is **126 s.h.** of credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see [Liberal Arts Foundations Curriculum](#)) including those listed below - 42 s.h.

   - CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C: MATH 1065; C for 1150: CHEM 1151; C for 1151: CHEM 1150)
   - CHEM 1160, 1161. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
   - COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA) or COMM 2020. Fundamentals of Speech Communication (3) (F,S) (FC:FA)
   - ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   - MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
   - PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   - SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)

2. Core - 60 s.h.

   - NUTR 1010. Cultural Foods (3)
   - NUTR 1300. Introduction to Dietetics Profession (3)
   - NUTR 1330. Food Safety and Sanitation (1)
   - NUTR 2105. Nutrition Science (3)
   - NUTR 2330. Food Science (3) (P: NUTR 1330; C: NUTR 2331)
   - NUTR 2331. Food Science Laboratory (1) (P: NUTR 1330; C: NUTR 2330)
NUTR 2400. Nutrition Assessment (3) (P: NUTR 2105)
NUTR 3104. Advanced Vitamins and Minerals (3) (P: BIOL 2130, 2131; NUTR 2105)
NUTR 3105. Nutritional Biochemistry and Metabolism (3) (WI) (P: NUTR 2105; P or C: CHEM 2650, 2651; or equivalent)
NUTR 3311. Life Cycle Nutrition (4) (P: NUTR 2105, 2400 or permission of instructor)
NUTR 3330. Financial Management in Dietetics (4) (P: NUTR 2330; nutrition major)
NUTR 3500. Nutrition Research Methodology (3) (WI) (P: NUTR 2105, 3105; C: NUTR 3501; nutrition major)
NUTR 3501. Nutrition Research Methodology Laboratory (1) (P: NUTR 2105, 3105; C: NUTR 3500: nutrition major)
NUTR 3535. Nutrition Education and Counseling (3) (P: NUTR 2400)
NUTR 4300. Professional Preparation in Dietetics (1) (P: Senior standing; nutrition major
NUTR 4312. Medical Nutrition Therapy I (4) (P: NUTR 3105; nutrition major)
NUTR 4313. Medical Nutrition Therapy II (4) (P: NUTR 4312; nutrition major)
NUTR 4330. Food Production Principles of Dietetics (4) (P: NUTR 3330; nutrition major)
NUTR 4331. Food Production in Dietetics Lab (3) (P: NUTR 4330; nutrition major)
NUTR 4500. Community Nutrition (3) (P: NUTR 3535; nutrition major)
NUTR 4600. Senior Seminar (3) (P: Senior standing)

http://www.ecu.edu/cs-acad/ugcat/social.cfm

College of Human Ecology

School of Social Work

Shelia Grant Bunch, Director, School of Social Work Office, 224 Rivers Building
Monte Miller, Bachelor of Social Work Program Coordinator, 202 Rivers Building

The School of Social Work offers the bachelor of social work and the master of social work degrees. (See also graduate catalog.)

Social work is a helping profession which focuses on providing skilled intervention in the prevention and amelioration of individual and societal problems. It is a challenging and rewarding career involving the application of knowledge, skills, and professional values to assist individuals, families, groups, and communities in reaching their full potential. The program is accredited by the Council on Social Work Education. The principal educational objective of the major in social work is to prepare students for beginning professional generalist social work practice from a strengths based perspective. To prepare for this level of practice, students will learn the history and current development of social welfare programs; methods of influencing social change; professional values and ethics; the particular needs of oppressed populations; theories of human behavior; family, group, community and organizational functioning, an appreciation of research and methods of practice evaluation; and skills for practice with
individuals, families, groups, communities and organizations. The degree provides graduates a competitive advantage in many human services jobs and the possibility of up to one year’s credit in some master’s degree programs in social work (commonly referred to as advanced standing).

All majors are required to complete a field education internship of 12 s.h. in one semester in an approved agency. Agencies serving as field placements include North Carolina county departments of social services, local mental health centers, state hospitals for the emotionally disturbed, centers for the mentally retarded, developmental evaluation clinics, remedial education activity programs, alcoholic rehabilitation centers, public schools, state judicial and correctional systems, general hospitals, and care facilities.

Admission to the BSW program is made during the fall semester. Students should submit an application to the program during the spring and summer. A student is eligible to apply for admission to the BSW degree program when the following required conditions are met: completion of a minimum of 32 s.h.; an overall 2.5 GPA; and completion of SOCW 1010, 2010 with a 2.5 GPA in these courses. Students not meeting the required GPA may apply for provisional acceptance to the major. The BSW Admissions Committee will review provisional admissions and submit recommendations to the program coordinator. Students who plan to transfer from a junior or community college are encouraged to take a four-year college preparatory curriculum that includes human biology. The social work program will not accept for required major credit upper-level courses (numbered 3000 and 4000 at East Carolina University) taken at a junior or community college. The BSW program chairperson will determine the applicability of upper-level courses taken at senior colleges in meeting the BSW degree requirements. The School does not approve academic credit for prior work or life experience.

Bachelor of Social Work (BSW)

Social work majors must pass all required social work courses with a minimum grade of C. Minimum degree requirement is **124 s.h.** of credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see [Liberal Arts Foundations Curriculum](#)) including those listed below - 42 s.h.
   - BIOL 1050, 1051. General Biology and Laboratory (3,1) (F,S,SS) (FC:SC)
   - BIOL 1060. Environmental Biology (4) (F,S,SS) (FC:SC)
   - ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   - MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or equivalent
   - POLS 1010. National Government (3) (F,S,SS) (FC:SO)
   - PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   - SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)

2. Core - 51 s.h.
   - SOCW 1010. Introduction to Social Welfare and Social Work (3)
SOCW 2010. Introduction to Social Work Practice with Special Populations (3)
SOCW 3101. Human Behavior and the Social Environment I (3) (C: SOCW 3201, 3301 for SOCW majors)
SOCW 3201. Social Work Practice I (3) (P: SOCW majors only, C: SOCW 3101, 3301)
SOCW 3202. Social Work Practice II (3) (P: SOCW 3201, C: SOCW 3302, 3401)
SOCW 3301. Social Work Policy I (3) (P: SOCW 2010, consent of instructor or program coordinator, C: SOCW 3101, 3201)
SOCW 3305. Social Work Policy II (3) (WI) (Formerly SOCW 4303) (P: SOCW major or consent of instructor or program coordinator; C: SOCW 3202, 3401)
SOCW 3401. Social Work Research and Statistics (3) (WI) (P: SOCW major or consent of instructor or program coordinator, C: SOCW 3202, 3302)
SOCW 4102. Human Behavior and the Social Environment II (3) (P: SOCW 3101; C: SOCW 4203, 4303)
SOCW 4203. Social Work Practice III (3) (P: SOCW 3202; C: SOCW 4102, 4303)
SOCW 4305. Social Work Policy III (3) (Formerly SOCW 3302) (P: SOCW 3301, 3305; C: SOCW 4102, 4203)
SOCW 4990. Field Education and Seminar (12) (F,S) (P: SOCW major with a minimum 2.5 GPA; approval of the field education office; completion of all required SOCW courses)
Choose 6 s.h. SOCW electives

http://www.ecu.edu/cs-acad/ugcat/nursingprogram.cfm

**College of Nursing**

**BS in Nursing (BSN)**

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

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*) including those listed below - 42 s.h.

   BIOL 2140, 2150. Human Physiology and Anatomy (3,3) (P: CHEM 1120 or 1150; 2.75 GPA or consent of instructor; P for 2150: BIOL 2140; C for 2140: BIOL 2141; C for 2150: BIOL 2151)
   BIOL 2141, 2151. Human Physiology and Anatomy Laboratory (1,1) (P for 2151: BIOL 2141; C for 2141: BIOL 2140; C for 2151: BIOL 2150)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on math placement test or math section of the SAT/ACT)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 3206. Developmental Psychology (3) (WI) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)
Choose an approved 3 s.h. ethics course

2. Professional nursing core - 40 s.h.

NURS 3040. Pharmacotherapeutics (3) (F,S) (P: Admission to NURS major)
NURS 3410. Concepts of Pathophysiology for Nursing (3) (F,S) (P: Admission to NURS major; RN students; P/C: NURS 3010)
NURS 3210, 3211. Nurse As Care Provider (6) (F,S) (P/C: NURS 3020, 3021, 3200, 3270, 3271, 3410)
NURS 3270, 3271. Clinical Nursing Foundations I (2,0) (F,S) (P: Admission to NURS major)
NURS 3330, 3331. Nursing Care of Families During the Childbearing Phase (5) (F,S) (P: NURS 3020, 3021, 3200, 3210, 3270, 3271, 3410; P/C: NURS 3040, 3370, 3371)
NURS 3340, 3341. Nursing Care of Children (5) (F,S) (P: NURS 3020, 3021, 3200, 3210, 3211, 3270, 3271, 3410; P/C: NURS 3040, 3370, 3371)
NURS 3370, 3371. Clinical Nursing Foundations II (2,0) (F,S) (P: NURS 3270, 3271)
NURS 3510. Nursing Research (3) (F,S,SS) (P: NURS 3020, 3021, 3200, 3210, 3211, 3270, 3271, 3410; approved statistics course; RN students; P/C: NURS 3010)
NURS 4010, 4011. Nursing Care of Clients with Alterations in Mental Health (5) (F,S) (P: All required NURS courses below 4000)
NURS 4020, 4021. Nursing Care of Adults (6) (F,S) (P: All required NURS courses below 4000)
Upon completion of NURS 3410 and 3510, registered nurses receive placement credit for the remaining core nursing courses.

http://www.ecu.edu/cs-acad/ugcat/ConstrMgmt.cfm

**College of Technology and Computer Science**

**Department of Construction Management**

*Syed Ahmed, Chair, 346 Rawl Building*

**Admission**

Admission requirements are specified based on the entry status of potential students: freshman, transfer students, technical degree transfer students, ECU transfer students, or second degree students. Progression through the major is two-tiered: lower division requirements and upper division requirements. Potential majors should refer to the departmental website for full descriptions of each entry status category and the associated requirements for admission. Admission to the university does not guarantee admission to the construction management degree program.
Students are admitted to the lower division and must apply for admission to the upper division. The complete listing of admission requirements can be found on the departmental website or at the College of Technology and Computer Science Advising Center. Once admitted, successful progression through the major requires a minimum cumulative grade point average of 2.0. Students falling below a 2.0 cumulative grade point average will not be allowed to take construction management classes and will be placed on departmental probation for one semester. Summer sessions are not part of the departmental probation period. Probation status will be allowed for a maximum of one semester; after that time students with a cumulative grade point average below 2.0 will be dropped from the department.

CMGT majors and minors are required to achieve a minimum grade of C in the following courses in order to progress to subsequent courses: CMGT 2210, 2660; CMGT 2558 or 2664; CMGT 3664, 4660, 4662. Students earning less than a C in any of these courses must repeat the course before any subsequent CMGT course may be taken. Students required to repeat any CMGT course will not be permitted to register for that course in the semester or summer school immediately following unless a seat is available on the last day of regular registration (add only day). Should a student be found in violation of this policy, he/she will be administratively dropped (no matter what point in the semester) from that CMGT course.

The Department of Construction Management requires students to have a laptop computer in order to accomplish academic work. The ACE Student Computer Support Center at www.ecu.edu/ace lists the current computer specifications meeting the department's requirements.

**BS in Construction Management**

The construction management program is accredited by the American Council for Construction Education. Minimum degree requirement is **126 s.h.** credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see [Liberal Arts Foundations Curriculum](#) including those listed below - 42 s.h.

   - COMM 2410. Public Speaking (3) (FC:FA) or COMM 2420. Business and Professional Communication (3) (FC:FA)
   - ECON 2113. Principles of Microeconomics (3) (FC:SO)
   - ECON 2133. Principles of Macroeconomics (3) (FC:SO) (P: ECON 2113)
   - GEOL 1500. Dynamic Earth (3) (FC:SC)
   - GEOL 1501. Dynamic Earth Laboratory (1) (FC:SC) (C: GEOL 1500)
   - MATH 1065. College Algebra (3) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 1066. Applied Mathematics for Decision Making (3) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
   - PHYS 1250. General Physics (3) (FC:SC) (P: MATH 1065 or 1066)
   - PHYS 1251. General Physics Laboratory (1) (FC:SC) (C: PHYS 1250 or 2350)
2. Core - 46 s.h.

Lower Division Core Courses:
CMGT 2200. Introduction to the Construction Industry (3) (F)
CMGT 2210, 2211. Construction and Civil Materials (3,0) (P: Minimum overall GPA of 2.0; majors and minors only; P/C: MATH 1065 or 1066)
CMGT 2660, 2661. Structural Systems, Materials and Codes (3,0) (F,S) (P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 2210)
CMGT 2800. Foundations of Construction (3) (F,S) (P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 2210; computer-related elective)

http://www.ecu.edu/cs-acad/ugcat/TechSystems.cfm

**College of Technology and Computer Science**

**Department of Technology Systems**

*Tijjani (TJ) Mohammed, Interim Chair, Suite 202 Science and Technology Building*

**Admission**

Upon admission to the university, students may declare a major in one of the following degree programs: design, industrial distribution and logistics, industrial engineering technology, or information and computer technology. The design, industrial distribution and logistics, and information and computer technology degree programs are accredited by the Association of Technology, Management, and Applied Engineering. The minimum degree requirement is 126 s.h. of credit.

The bachelor of science in industrial technology, which is also accredited by the Association of Technology, Management, and Applied Engineering, is designed specifically to meet a broad range of needs of transfer students from community colleges. Students accepted to ECU may declare an intent to enroll in the bachelor of science in industrial technology program, but must apply for admission to a specific concentration. Students not yet accepted into this program will not be allowed to enroll in concentration courses. Acceptance into the program may require additional qualifications such as industry certifications and additional courses depending on the chosen concentration, the earned associate degree, and the student’s background. All students pursuing a bachelor of science in industrial technology through distance education (online) are required to complete ITEC 3000 in their initial semester of enrollment at East Carolina University.

Admission to the online BS in industrial technology program requires ITEC 3000 with a minimum grade of C. Those ECU students intending to transfer to a technology systems degree program from other campus programs must have at least a 2.0 GPA.
BS in Design

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 126 s.h. credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below - 42 s.h.

   All concentrations:
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
   PHIL 2274. Business Ethics (3) (WI*) (F,S,SS) (FC:HU) or PHIL 2275. Professional Ethics (3) (WI*) (F,S,SS) (FC:HU)
   PHYS 1250. General Physics (3) (F,S,SS) (FC:SC) (P PHYS 1250)
   PHYS 1251. General Physics Laboratory (1) (F,S,SS) (FC:SC) (C PHYS 1250 or 2350)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
   Architectural Technology:
   GEOL 1700. Environmental Geology (4) (F,S) (FC:SC)
   Mechanical Technology:
   PHYS 1260. General Physics (3) (F,S,SS) (FC:SC) (P PHYS 1250)
   PHYS 1261. General Physics Laboratory (1) (F,S,SS) (FC:SC) (C PHYS 1260 or 2260)

2. Core - 53 s.h.

   DESN 2034, 2035. Engineering Graphics I (3,0) (F,S) (P: ITEC 2000 or MIS 2223)
   DESN 2036, 2037. Computer-Aided Design and Drafting (3,0) (F,S) (P: DESN 2034)
   DESN 3032, 3033. Engineering Graphics II (3,0) (F,S) (P: DESN 2036; ITEC 2080; PHYS 1250; C: ITEC 2090; or program coordinator approval)
   DESN 4030, 4031. Descriptive Geometry (3,0) (S) (P: DESN 3032; MATH 1074)
   FINA 2244. Legal Environment of Business (3) (F,S,SS)
   IENG 2020, 2021. Materials and Processes Technology (3,0) (WI*) (F,S) (P/C: ITEC 2000 or MIS 2223)
   ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S) or MIS 2223 Introduction to Computers (3) (F,S,SS)
   ITEC 2054, 2055. Electricity/Electronics Fundamentals (3,0) (F,S) (P/C: MATH 1074 or 1083 or 1085)
   ITEC 2080, 2081. Thermal and Fluid Systems (3,0) (F,S) (P: IENG 2020)
   ITEC 2090, 2091. Electromechanical Systems (3,0) (F,S) (P: ITEC 2054)
ITEC 3200. Introduction to Statistical Process Control (3) (F,S) (P: MATH 1065 or 1066; ITEC 2000 or 3000 or MIS 2223) or MATH 2283. Statistics for Business (3) (F,S,SS) (FC:MA)
ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
ITEC 3292. Industrial Safety (3) (F,S) (P: Junior standing)
ITEC 3300. Technology Project Management (3) (F,S) (WI) (P: ENGL 1200; ITEC 2000 or MIS 2223)
ITEC 3800. Cost and Capital Project Analysis (3) (F,S) (P: MATH 1065; ITEC 2000 or 3000 or MIS 2223) or FINA 3004. Survey of Financial Management (3) (F,S)
ITEC 4293. Industrial Supervision (3) (WI) (F,S) (P: Senior standing or consent of instructor) or MGMT 3202. Fundamentals of Management (3) (F,S,SS)
ITEC 4300. Quality Assurance Concepts (3) (F,S) (P: ITEC 3200 or MATH 2283)
MATH 1074. Applied Trigonometry (2) (F,S,SS) (P: MATH 1065)

3. Concentration area (Choose one) - 23 s.h.

Architectural Technology:
BIOL 1060. Environmental Biology (4) (F,S,SS) (FC:SC)
BIOL 1061. Environmental Biology Laboratory (1) (F,S) (FC:SC)
DESN 3030, 3031. Architectural Drafting (3,0) (F) (P: DESN 2036 or IDSN 2281; ITEC 2080; or program coordinator approval)
DESN 3036, 3037. Architectural Design and Drafting (3,0) (F) (P: DESN 3030, 3032; or program coordinator approval)
DESN 3038, 3039. Sustainable Design (3,0) (S) (P: BIOL 1060, 1061; DESN 3030; GEOL 1700; ITEC 2090, 3300; PSYC 3241; or program coordinator approval)
PLAN 3021. Introduction to Planning Techniques (3) (F)
PLAN 3051. Introduction to GIS in Planning (3) (F)
PLAN 4003. Urban Form and Design (3) (S)

Mechanical Technology:
CHEM 1020. General Descriptive Chemistry (4) (S) (FC:SC)
CHEM 1021. General Descriptive Chemistry Laboratory (1) (S) (FC:SC)
DESN 3230, 3231. Rapid Prototyping (3,0) (S) (P: DESN 3032; IENG 2076)
DESN 3234, 3235. Jig and Fixture Design (3,0) (F) (P: DESN 3032; ITEC 2090; IENG 2076)
DESN 3236, 3237. Geometric Dimensioning and Tolerancing (3,0) (F) (P: DESN 3032; MATH 1074; ITEC 3200 or MATH 2283)
IENG 2076, 2077. Introduction to Computer Numerical Control (CNC) (3,0) (F,S) (P: DESN 2034)
IENG 3020, 3021. Robotics in Computer Integrated Manufacturing (3,0) (S) (P: IENG 2076, ITEC 2090)
IENG 3300. Plant Layout and Materials Handling (3) (F) (P/C: ITEC 3290; P: IENG 2020)

4. Approved electives to complete requirements for graduation. - 8 s.h.

BS in Industrial Distribution and Logistics
Richard W. Monroe, Coordinator, 402 Science and Technology Building

The industrial distribution and logistics program is accredited by the Association of Technology, Management, and Applied Engineering.

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

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below. 42 s.h.

   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

2. Core - 57 s.h.

   IDIS 2771. Introduction to Distribution and Logistics (3)
   IDIS 2830. ERP Systems for Distributors (3) (Formerly IDIS 3830)
   IDIS 3700. Transportation Logistics (3) (Formerly IDIS 3800) (P: IDIS 2771)
   IDIS 3790. Technical Presentations (3) (P: ITEC 2000 or MIS 2223)
   IDIS 3795, 3796. Distributor Sales and Branch Management (3,0) (F) (P: IDIS 2771, 2830)
   IDIS 3815. Supply Chain Logistics (3) (P: IDIS 2771, 2830)
   IDIS 3820. Purchasing Logistics (3) (Formerly IDIS 3805) (P: IDIS 2830, 3815)
   IDIS 3835. Security and Risk Analysis for Distributors (3) (P: IDIS 3815, 3700)
   IDIS 3850, 3851. Warehousing and Materials Handling (3,0) (Formerly IDIS 3780, 3781) (P:IDIS 2771, 2830; ITEC 2000 or MIS 2223)
   IDIS 4785. Strategic Pricing for Distributors (3) (Formerly IDIS 3825) (P: IDIS 3820)
   IDIS 4790. Global Logistics (3) (Formerly IDIS 3785) (P:IDIS 3700, 3815)
   IDIS 4800. Distribution and Logistics Capstone (3) (P: Junior standing; IDIS 3790; ITEC 3300; IDIS major)
   IDIS 4802. Distribution Research (3) (P: IDIS 3815; senior standing)
   ITEC 3290. Technical Writing (3) (WI) (F,S) (P: ENGL 1200)
   ITEC 3292. Industrial Safety (3) (F,S) (P: Junior status)
   ITEC 3300. Technology Project Management (3) (WI) (F,S) (P: ENGL 1200; ITEC 2000 or MIS 2223)
   ITEC 3800. Cost and Capital Project Analysis (3) (S) (P: MATH 1065; ITEC 2000 or 3000 or MIS 2223)
   ITEC 4293. Industrial Supervision (3) (WI) (F,S) (P: Senior status; or consent of instructor)
ITEC 4300. Quality Assurance Concepts (3) (F,S) (P: ITEC 3200 or MATH 2283)

3. Cognates - 12 s.h.

   ACCT 2101. Survey of Financial and Management Accounting (3) (F,S) (P: MATH 1065)
   FINA 2244. Legal Environment of Business (3) (F,S,SS)
   MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)
   or ITEC 3200. Introduction to Statistical Process Control (3) (F,S) (P: MATH 1065 or 1065; ITEC 2000 or 3000 or MIS 2223)
   ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S) or MIS 2223. Introduction to Computers (3) (F,S,SS)

4. Electives to complete requirements for graduation. - 15 s.h.

BS in Industrial Engineering Technology

Merwan B. Mehta, Coordinator, 244 Slay Hall

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

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*) including those listed below.42 s.h.

   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
   PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (FC:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
   PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

2. Core - 69 s.h.

   DESN 2034, 2035. Engineering Graphics I (3,0) (F,S) (P: ITEC 2000 or MIS 2223)
   DESN 2036, 2037. Computer-Aided Design and Drafting (3,0) (F,S) (P: DESN 2034)
   IENG 2020, 2021. Materials and Processes Technology (3,0) (WI*) (F,S) (P/C: ITEC 2000 or MIS 2223)
IENG 2076, 2077. Introduction to Computer Numerical Control (CNC) (3,0) (F,S) (P: DESN 2034)
IENG 3020, 3021. Robotics in Computer Integrated Manufacturing (3,0) (S) (P: IENG 2076; ITEC 2090)
IENG 3300. Plant Layout and Materials Handling (3) (F) (P/C ITEC 3290; P: IENG 2020)
IENG 3600. Statics and Strength of Materials (3) (S) (P: IENG 2020, MATH 1074)
IENG 4020. Manufacturing System Planning (3) (F) (P: ITEC 3200, MATH 2119)
IENG 4023. Advanced Manufacturing Systems (3) (S) (P: IENG 3300)
IENG 4024, 4025. Electromechanical Systems Integration (3,0) (F) (P: DESN 2036; IENG 3020)
IENG 4200. Work Methods and Ergonomic Analysis (3) (S) (P: ITEC 3200 or MATH 2283)
IENG 4900. Capstone (3) (S) (P: Senior Standing)
ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S)
ITEC 2054, 2055. Electricity/Electronics Fundamentals (3,0) (F,S) (P/C: MATH 1074 or 1083 or 1085)
ITEC 2080, 2081. Thermal and Fluid Systems (3,0) (F,S) (P: IENG 2020)
ITEC 2090, 2091. Electromechanical Systems (3,0) (F,S) (P: ITEC 2054)
ITEC 3200. Introduction to Statistical Process Control (3) (F,S) (P: MATH 1065 or 1066; ITEC 2000 or 3000 or MIS 2223)
ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
ITEC 3292. Industrial Safety (3) (F,S) (P: Junior standing)
ITEC 3300. Technology Project Management (3) (F,S) (WI) (P: ENGL 1200; ITEC 2000 or MIS 2223)
ITEC 3800. Cost and Capital Project Analysis (3) (F,S) (P: MATH 1065; ITEC 2000 or 3000 or MIS 2223)
ITEC 4293. Industrial Supervision (3) (WI) (F,S) (P: Senior standing or approval of instructor)
ITEC 4300. Quality Assurance Concepts (3) (F,S) (P: ITEC 3200 or MATH 2283)

3. Cognates - 6 s.h.

CHEM 1020 General Descriptive Chemistry (4) (F,S)
MATH 1074. Applied Trigonometry (2) (F,S,SS) (P: MATH 1065)

4. Electives to complete requirements for graduation. - 9 s.h.

BS in Industrial Technology

David L. Batts, Coordinator, 230 Slay Building

The industrial technology program is accredited by the Association of Technology, Management, and Applied Engineering.

Student must have an associate of applied science degree from an approved technical program.
Minimum degree requirement is **126 s.h.** of credit as follows. Students must complete at ECU a minimum of 42 s.h. credit of upper division core and concentration courses. Industrial technology courses completed at ECU and transfer courses must total at least 66 s.h. All students pursuing a bachelor of science in industrial technology through distance education (online) are required to complete ITEC 3000 in their initial semester of enrollment at East Carolina University. For distance education (online) students only, ITEC 3000 will fulfill 3 s.h. of the required 27 s.h. in their chosen concentration area. ITEC 3100, 4100 or any course that does not meet as a class may not be used as upper division core or concentration courses.

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see [Liberal Arts Foundations Curriculum](#)) including those listed below. 42 s.h.

   - **COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA)** or **COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)**
   - **ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)**
   - **MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT)** or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
   - **PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)**
   - **PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)**

2. Lower Division Core - 24 s.h.

   Transfer technical courses up to 24 s.h. or approved technical courses.

3. Upper Division Core - 15 s.h.

   - **ITEC 3200. Introduction to Statistical Process Control (3) (F,S) (P: MATH 1065 or 1066; ITEC 2000 or 3000 or MIS 2223)**
   - **ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)**
   - **ITEC 3300. Technology Project Management (3) (WI) (F,S) (P: ENGL 1200; ITEC 2000 or MIS 2223)**
   - **ITEC 3800. Cost and Capital Project Analysis (3) (F,S) (P: MATH 1065; ITEC 2000 or 3000 or MIS 2223)**
   - **ITEC 4293. Industrial Supervision (3) (WI) (F,S) (P: Senior standing or approval of instructor)**

4. Concentrations (choose one) - 27 s.h.

   - **Architectural Technology**
   - **DESN 3030, 3031. Architectural Drafting (3,0) (F) (P: DESN 2036 or IDSN 2281; ITEC 2080; or program coordinator approval)**
DESN 3032, 3033. Engineering Graphics II (3,0) (F,S) (P: DESN 2036: ITEC 2080; PHYS 1250; C: ITEC 2090; or program coordinator approval)
DESN 3036, 3037. Architectural Design and Drafting (3,0) (F) (P: DESN 3030, 3032; or program coordinator approval)
DESN 3038, 3039. Sustainable Design (3,0) (S) (P: BIOL 1060, 1061; DESN 3030; GEOL 1700; ITEC 2090, 3300; PSYC 3241; or program coordinator approval)
PLAN 3021. Introduction to Planning Techniques (3) (F)
PLAN 3051. Introduction to GIS in Planning (3) (F)
PLAN 4003. Urban Form and Design (3) (S)
Approved technical electives (6 s.h.)
Bioprocess Manufacturing
ITEC 3292. Industrial Safety (3) (F,S) (P: Junior standing)
ITEC 4150. Microbiology for Industrial Processing (3) (S EY) (P: Admitted to bioprocess manufacturing concentration within BS industrial technology degree)
ITEC 4250. Engineering for Food Safety and Sanitation (3) (F OY) (P: Admitted to bioprocess manufacturing concentration within BS industrial technology degree)
ITEC 4300. Quality Assurance Concepts (3) (F,S) (P: ITEC 3200 or MATH 2283)
ITEC 4350. Separation Techniques for Industrial Processing (3) (S OY) (P: Admitted to bioprocess manufacturing concentration within BS industrial technology degree)
ITEC 4450. Waste Treatment Techniques for Industrial Processing (3) (S OY) (P: Admitted to bioprocess manufacturing concentration within BS industrial technology degree)
ITEC 4550. Quality in Regulatory Environments (3) (F, EY) (P: Admitted to bioprocess manufacturing concentration within BS industrial technology degree)
Approved technical electives (6 s.h.)
Distribution and Logistics
IDIS 2771. Introduction to Distribution and Logistics (3)
IDIS 2830. ERP Systems for Distributors (3) (Formerly IDIS 3830)
IDIS 3700. Transportation Logistics (3) (Formerly IDIS 3800) (P: IDIS 2771)
IDIS 3815. Supply Chain Logistics (3) (P: IDIS 2771, 2830)
IDIS 3820. Purchasing Logistics (3) (Formerly IDIS 3805) (P: IDIS 2830, 3815)
IDIS 3835. Security and Risk Analysis for Distributors (3) (P: IDIS 3700)
IDIS 4785. Strategic Pricing for Distributors (3) (Formerly IDIS 3825) (P: IDIS 3820)
IDIS 4790. Global Logistics (3) (Formerly IDIS 3785) (P: IDIS 3700, 3815)
Approved technical electives (3 s.h.)
Health Information Technologies
HIMA 3000. Medical Terminology for Health Professionals (3) (F, S, SS)
HIMA 3120. Health Care Delivery Systems (3) (F) (P: HSMA 2000; P/C: HSMA 3030 or consent of instructor)
HIMA 4030. Quality Management in Health Care (3) (S) (P: HIMA 3113, 3120; or consent of instructor)
HSMA 2000. Professional Roles and Environments in Health Care (3) (SL*) (F,S,SS)
HSMA 3020. Health Care Payment Systems (3) (S) (P: HSMA 2000; P/C: HIMA 3120; HSMA 3035; HSMA 3030 or consent of instructor)
HSMA 3025. Professional Ethical Codes and Law in Health Care (3) (F) (P: HSMA 2000; P/C: HSMA 3030; or consent of instructor)
HSMA 3035. Interpersonal Team Skills for Health Care Supervisors and Practitioners (3) (S) (P: HSMA 2000; P/C: HSMA 3030 or consent of instructor)

HSMA 4010. Health Information Management (3) (F) (P: HIMA 3120; HSMA 3035)

Approved technical electives (3 s.h.)

Industrial Supervision

IDIS 2771. Introduction to Distribution and Logistics (3) (F,S)
IDIS 3790. Technical Presentations for Industry (3) (F,S) (P: ITEC 2000 or MIS 2223)
IDIS 3815. Supply Chain Logistics (3) (F,S) (P: IDIS 2771)
IENG 3300. Plant Layout and Materials Handling (3) (F) (P: IENG 2020)
IENG 4023. Advanced Manufacturing Systems (3) (S) (P: IENG 3300)
ITEC 3292. Industrial Safety (3) (S) (P: Junior standing)
ITEC 4300. Quality Assurance Concepts (3) (F,S) (P: ITEC 3200 or MATH 2283)

Approved technical electives (6 s.h.)

Information and Computer Technology

Choose 27 hours from below:

ICTN 2530, 2531. Network Environment II (3,0) (F,S) (P: ICTN 1500)
ICTN 2900, 2901. Fundamental Network Security (3,0) (F) (P: ICTN 2150)
ICTN 3250, 3251. Internetwork Routing Technology (3,0) (F) (P: Current CCNA certification)
ICTN 3540, 3541. Network Environment III (3,0) (F) (P: ICTN 2510, 2530)
ICTN 3900, 3901. Web Services Management (3,0) (F) (P: ICTN 2530)
ICTN 4010, 4011. User Application Management and Emerging Technologies (3,0) (F) (P: ICTN 2510, 2530)
ICTN 4040. Enterprise Information Security (3) (S) (P: ICTN 2530, 2900)
ICTN 4064. Regulations and Policies (3) (S) (P: ICTN 2150; P/C: FINA 2244)
ICTN 4150, 4151. Switching Network Technology (3,0) (F) (P: Current CCNA certification)
ICTN 4200, 4201. Intrusion Detection Technologies (3,0) (F) (P: ICTN 2530, 2900)
ICTN 4250, 4251. Enterprise Network Security Technology (3,0) (S) (P: Current CCNA certification)
ICTN 4310. Digital Forensics (3) (P: ICTN 2530, 2900)
ICTN 4402, 4404, 4406, 4408. Special Topics (1,2,3,4) (P: Consent of instructor)
ICTN 4590, 4591. Network Maintenance and Troubleshooting (3,0) (S) (P: Current CCNA certification; ICTN 3250, 4150)
ICTN 4600, 4601. Enterprise Information Technology Management (3,0) (S) (P: ICTN 2154, 2530)
ICTN 4700, 4701. Virtualization Technologies (3,0) (P: ICTN 2530)
ICTN 4750. Enterprise Data Storage Technologies (3) (P: ICTN 2530)
ICTN 4800, 4801. Information Assurance Technologies (3,0) (F) (P: ICTN 2530, 2900)

Manufacturing Systems

IENG 3300. Plant Layout and Materials Handling (3) (F) (P/C: ITEC 3290, P: IENG 2020)
IENG 4020. Manufacturing System Planning (3) (F) (P: ITEC 3200)
IENG 4023. Advanced Manufacturing Systems (3) (S) (P: IENG 3300)
IENG 4200. Work Methods and Ergonomic Analysis (3) (S) (P: ITEC 3200 or MATH 2283)
ITEC 3292. Industrial Safety (3) (F,S) (P: Junior standing)
ITEC 4300. Quality Assurance Concepts (3) (F,S) (P: ITEC 3200 or MATH 2283)
Approved technical electives (9 s.h.)
Mechanical Technology
DESN 3032, 3033. Engineering Graphics II (3,0) (F,S) (P: DESN 2036; ITEC 2080; PHYS 1250; C: ITEC 2090; or program coordinator approval)
DESN 3230, 3231. Rapid Prototyping (3,0) (S) (P: DESN 3032; IENG 2076)
DESN 3234, 3235. Jig and Fixture Design (3,0) (F) (P: DESN 3032; ITEC 2090; IENG 2076)
DESN 3236, 3237. Geometric Dimensioning and Tolerancing (3,0) (F) (P: DESN 3032; MATH 1074; ITEC 3200 or MATH 2283)
IENG 2076, 2077. Introduction to Computer Numerical Control (CNC) (3,0) (F) (P: DESN 2034)
IENG 3020, 3021. Robotics in Computer Integrated Manufacturing (3,0) (S) (P: IENG 2076; ITEC 2090)
IENG 3300. Plant Layout and Materials Handling (3) (F) (P/C: ITEC 3290; P: IENG 2020)
Approved technical electives (6 s.h.)

5. Cognates - 5 s.h.

FINA 2244. Legal Environment of Business (3) (F,S,SS)
MATH 1074. Applied Trigonometry (2) (F,S,SS) (P: MATH 1065)

6. Approved electives to complete requirements for graduation.

BS in Information and Computer Technology

Philip J. Lunsford, Coordinator, C123 Science and Technology Building

The information and computer technology program is accredited by the Association of Technology, Management, and Applied Engineering. Credit toward an information and computer technology major will not be given for any ICTN course with a grade less than C. Minimum degree requirement is 126 s.h. credit as follows:

1. Foundations curriculum requirements (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum) including those listed below.42 s.h.

   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or math section of the SAT/ACT) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
PHYS 1250, 1260. General Physics (3,3) (FC:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
PHYS 1251, 1261. General Physics Laboratory (1,1) (FC:SC) (C for 1251:
PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)
PSYC 1000. Introductory Psychology (3) (FC:SO)
PSYC 3241. Personnel and Industrial Psychology (3) (FC:SO) (P: PSYC 1000 or 1060)

2. Lower Division Core - 24 s.h.

ICTN 1500, 1501. PC Hardware (3,0) (F,S)
ICTN 2150, 2151. Network Fundamentals (3,0) (F,S)
ICTN 2154, 2155. Digital Communication Systems (3,0) (F,S) (P: ICTN 2150)
ICTN 2158, 2159. Computer Network Technology (3,0) (F,S) (P: ICTN 2154)
ICTN 2510, 2511. Network Environment I (3,0) (F) (P: ICTN 1500)
ICTN 2530, 2531. Network Environment II (3,0) (S) (P: ICTN 1500)
ICTN 2732. Scripting for Information Technology (3) (S) (P: ITEC 2000; P/C: ICTN 2530)
ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S) or ITEC 3000. Internet Tools Technology (3) (F,S) (P: MIS 2223 or ITEC 2000 or equivalent experience) or equivalent.

3. Upper Division Core - 24 s.h.

ICTN 2900, 2901. Fundamental Network Security (3,0) (F) (P: ICTN 2150)
ICTN 3540, 3541. Network Environment III (3,0) (F) (P: ICTN 2530)
ICTN 4000. Network Internship (3,0) (F,S,SS) (P: Junior standing and ICTN major)
ICTN 4020. Senior Information and Computer Technology Capstone Design Project I (1) (WI) (F) (P: Senior standing,
ICTN 4022. Senior Information and Computer Technology Capstone Design Project II (2) (WI) (S) (P: ICTN 4020)
ICTN 4040. Enterprise Information Security (3) (S) (P: ICTN 2530, 2900)
IDIS 3790. Technical Presentations (3) (P: ICTN 2900 or MIS 2223)
ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
ITEC 3300. Technology Project Management (3) (WI) (F,S) (P: ENGL 1200; ITEC 2000 or MIS 2223)

4. Concentration area (Choose one.). 12 s.h.

    Computer Networking:
    ICTN 3250, 3251. Internetwork Routing Technology (3,0) (F) (P: Current CCNA certification)
    ICTN 4150, 4151. Switching Network Technology (3,0) (F) (P: Current CCNA certification)
    ICTN 4250, 4251. Enterprise Network Security Technology (3,0) (S) (P: Current CCNA certification)
ICTN 4590, 4591. Network Maintenance and Troubleshooting (3,0) (WI) (S) (P: Current CCNA certification)

Information Security:
ICTN 4064. Regulations and Policies (3) (S) (P: ICTN 2150; P/C: FINA 2244)
ICTN 4200, 4201. Intrusion Detection Technologies (3,0) (F) (P: ICTN 2530, 2900)
ICTN 4600, 4601. Enterprise Information Technology Management (3,0) (S) (P: ICTN 2154, 2530)
ICTN 4800, 4801. Information Assurance Technologies (3,0) (F) (P: ICTN 2530, 2900)

Information Technology:
ICTN 3900, 3901. Web Services Management (3,0) (F) (P: ICTN 2530)
ICTN 4010, 4011. User Application Management and Emerging Technologies (3,0) (F) (P: ICTN 2510, 2530)
ICTN 4064. Regulations and Policies (3) (S) (P: ICTN 2150; P/C: FINA 2244)
ICTN 4600, 4601. Enterprise Information Technology Management (3,0) (S) (P: ICTN 2154, 2530)

5. Cognates - 12 s.h.

FINA 2244. Legal Environment of Business (3) (F,S,SS)
ITEC 3200. Introduction to Statistical Process Control (3) (F,S) (P: MATH 1065 or 1066; ITEC 2000 or 3000 or MIS 2223) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)
ITEC 3800. Cost and Capital Project Analysis (3) (F,S) (P: MATH 1065; ITEC 2000 or 3000 or MIS 2223) or ACCT 2101 Survey of Financial and Managerial Accounting (3) (F,S) (P: MATH 1065 or 1066) or ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066 or 2119 or 2121 or 2171)
ITEC 4293. Industrial Supervision (3) (WI) (F,S) (P: Senior standing or approval of instructor) or MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 1000 or 2113)

6. Approved electives to complete requirements for graduation.

Architectural Design Technology Minor

The architectural design technology design minor requires a minimum of 30 s.h. of credit:
DESN 2034, 2035. Engineering Graphics I (3,0) (F,S) (P: ITEC 2000 or MIS 2223)
DESN 2036, 2037. Computer-Aided Design and Drafting (3,0) (F,S) (P: DESN 2034)
DESN 3030, 3031. Architectural Drafting (3,0) (F) (P: DESN 2036 or IDSN 2281; ITEC 2080; or program coordinator approval)
DESN 3032, 3033. Engineering Graphics II (3,0) (F,S) (P: DESN 2036; ITEC 2080; PHYS 1250; C: ITEC 2090; or program coordinator approval)
DESN 3036, 3037. Architectural Design and Drafting (3,0) (F) (P: DESN 3030, 3032; or program coordinator approval)
DESN 3038, 3039. Sustainable Design (3,0) (S) (P: BIOL 1060, 1061; DESN 3030; GEOL 1700; ITEC 2090, 3300; PSYC 3241; or program coordinator approval)

123
ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S) or MIS 2223. Introduction to Computers (3) (F,S,SS)

And 9 s.h. from the following:

   PLAN 1900. Planning for the Human Environment (3) (F,S,SS)
   PLAN 3021. Introduction to Planning Techniques (3) (F)
   PLAN 3051. Introduction to GIS in Planning (3) (F) (P: PLAN 3410 or consent of instructor)
   PLAN 4003. Urban Form and Design (3) (S)
   PLAN 4021. Advanced GIS Applications in Planning (3) (S) (P: PLAN 3051 or GEOG 2410 or consent of instructor)
   PLAN 4046. Planning and Design Studio (3) (F,S)
   PLAN 5985. Historic Preservation Planning (3)

**Industrial Technology Management Minor**

The industrial technology management minor requires 24 s.h. of credit as follows:

   FINA 2244. Legal Environment of Business (3) (F,S,SS)
   IDIS 2771. Introduction to Distribution and Logistics (3)
   ITEC 3200. Introduction to Statistical Process Control (3) (F,S) (P: MATH 1065 or 1066; ITEC 2000 or 3000 or MIS 2223)
   ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
   ITEC 3292. Industrial Safety (3) (F,S) (P: Junior standing)
   ITEC 3300. Technology Project Management (3) (WI) (F,S) (P: ENGL 1200; ITEC 2000 or MIS 2223)
   ITEC 3800. Cost and Capital Project Analysis (3) (F,S) (P: MATH 1065; ITEC 2000 or 3000 or MIS 2223)
   ITEC 4293. Industrial Supervision (3) (WI) (F,S) (P: Senior standing or approval of instructor)

**Information and Computer Technology Minor**

The information and computer technology minor requires 24 s.h. of credit.

   ICTN 1500, 1501. PC Hardware (3,0) (F,S)
   ICTN 2150, 2151. Network Fundamentals (3,0) (F,S)
   ICTN 2154, 2155. Digital Communication Systems (3,0) (F,S) (P: ICTN 2150)
   ICTN 2158, 2159. Computer Networking Technology (3,0) (F,S) (P: ICTN 2154)
   ICTN 2510. 2511. Network Environment I (3,0) (F) (P: ICTN 1500)
   ICTN 2530, 2531. Network Environment II (3,0) (S) (P: ICTN 1500)
   ICTN 2900, 2901. Fundamental Network Security (3,0) (F) (P: ICTN 2150)
   ICTN 4040. Enterprise Information Security (3) (S) (P: ICTN 2530, 2900)

**Mechanical Design Technology Minor**

The mechanical design technology minor requires 30 s.h. of credit:

   DESN 2034, 2035. Engineering Graphics I (3,0) (F,S) (P: ITEC 2000 or MIS 2223)
DESN 2036, 2037. Computer-Aided Design and Drafting (3,0) (F,S) (P: DESN 2034)
DESN 3032, 3033. Engineering Graphics II (3,0) (F,S) (P: DESN 2036; ITEC 2080;
PHYS 1250; C: ITEC 2090; or program coordinator approval)
DESN 3230, 3231. Rapid Prototyping (3,0) (S) (P: DESN 3032; IENG 2076)
DESN 3234, 3235. Jig and Fixture Design (3,0) (F) (P: DESN 3032; ITEC 2090; IENG
2076)
IENG 2076, 2077. Introduction to Computer Numerical Control (CNC) (3,0) (F) (P:
DESN 2034)
ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S) or MIS
2223. Introduction to Computers (3) (F,S,SS)
ITEC 2054, 2055. Electricity/Electronics Fundamentals (3,0) (F,S) (P/C: MATH 1074 or
1083 or 1085)
ITEC 2090, 2091. Electromechanical Systems (3,0) (F,S) (P: ITEC 2054)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on
mathematics placement test or math section of the SAT/ACT)
The University Curriculum Committee has considered three areas in which to consider cleaning the Undergraduate Catalog of courses no longer being used. The third of the three has not been discussed extensively at this point and comes to the UCC for further consideration. Although the UCC has acted on items (1) and (2) below, suggestion is to systematize

(3) Courses Not Taught in Ten or More Years:

The list of undergraduate courses not taught in 10 years consists of 74 courses, all of which are less than 5000 in number (that is, the search likely excluded 5000-level courses). The number of years since a course was last taught ranged from 12-18, with only one course not taught since 1994. Most of the courses (60 of the 74) had been last taught in the 1997-2000 time frame.

Recommendations to UCC:
- UCC ensures that the list of courses does not include courses never taught
- UCC offers the opportunity for areas to remove courses based on their request (as opposed to stating that courses will be removed unless a request is made contrary)
- UCC does this work every two years – in the fall – given there is not a large number of classes (only 74 courses in the list).
- UCC may want to coordinate this work with cleaning the catalog of 5000-level courses that have been deleted from the Grad Catalog and courses banked for over five years.

(1) 5000-Level Courses Delete from the Graduate Catalog:

Recommendation to UCC:

Move to delete from the Undergraduate Catalog at next University Curriculum Committee meeting after receiving notification that a 5000-level course has been deleted from the Graduate Catalog. In addition, every two years, make a specific search for such classes that may have been missed and have accumulated over the two-year period.

(2) Courses Banked for Five or More Years

Recommendation to UCC:

Approach program areas in the following manner: Courses banked for five or more years will be deleted from the Undergraduate Catalog unless the program area responds within a six week three-month time period requesting the course(s) be left in the pool of banked courses. Any program area that so requests will retain the course in the catalog.
Writing a Course Justification

These points came from the Curriculum Planning Workshop in Fall 2011

Be specific.

Explain why your unit wishes to offer the course

Example

- Provide information that the course is required to meet standards of a specific accrediting agency. Identify the applicable standards.
- Response to programmatic review

Identify a gap.

Examples

- A national report about skills that graduates with a particular degree need for the workplace. This would be considered an evidence-based reason to propose a new course.

Describe how the course responds to the assessment of student learning

Example

- Cite specific results from unit assessment of program curriculum and/or student learning outcomes that led to development of the proposed course

Identify who was involved in the assessment of the program.

Examples

- Specify that unit faculty reviewed and approved adding the course.
- Cite the accrediting agency that recommended the new course or revisions to a course