COLLEGE OF HEALTH, EDUCATION AND HUMAN DEVELOPMENT

The College of Health, Education and Human Development provides students the means by which to pursue careers in the fields of nursing, education, health, and recreation management. The “Engaged College with a Personal Touch” is home to the academic programs offered by the School of Nursing; the Eugene T. Moore School of Education; the Department of Public Health Sciences; and the Department of Parks, Recreation and Tourism Management. The College also offers outreach services available through the Joseph F. Sullivan Center; the National Dropout Prevention Center; and the Outdoor Laboratory. Collaboration within the college between academics and community outreach supports prepares students to be professionals leaders in health, education, and recreation management. As with all programs at the University, students take course offerings from all colleges on campus to achieve the most complete education possible.

ATHLETIC LEADERSHIP CERTIFICATE

Students acquiring the nationally recognized American Sport Education Program (ASEP) Certification through the Athletic Leadership Program at Clemson are eligible to complete the requirements for Athletic Leadership Certification in any of the following areas related to their ASEP Certification: (1) Sport Coaching and Character Development; (2) Sport First Aid and Conditioning; and (3) Sport Psychology and Motivation. For more information, contact the Coordinator of Athletic Leadership at (864) 656-4434.

EUGENE T. MOORE SCHOOL OF EDUCATION

The mission of the Eugene T. Moore School of Education is to prepare caring and capable professionals through intellectually engaging experiences in theory, method, and research that connect them to the communities in which they live and serve. The Eugene T. Moore School of Education trains teachers, counselors, university administrators, and leaders for the P-12 schools and training and development specialists for business and industry.

TEACHER EDUCATION PROGRAMS

The Eugene T. Moore School of Education Conceptual Framework guides the School’s work as a unit. It is context-based and provides the foundation for all that is done. It addresses the fundamental issues of what students need to know (knowledge), what they need to be able to do (skills), what they value (dispositions), and how they interface with their communities, large and small (connections). The Conceptual Framework, simply stated, is to prepare caring, capable, and connected professionals for the twenty-first century.

The Teacher Education Programs prepare teachers, provide professional services to education in South Carolina, and carry out basic and applied research in education. Curricula provide a broad general education through liberal arts and science courses, develop depth of knowledge in the teaching area, gain an understanding of the historical, philosophical, and psychological backgrounds of American education, and acquire knowledge of and skill and experience in effective teaching techniques.

The Teacher Education Programs are accredited by the National Council for the Accreditation of Teacher Education (NCATE) for the preparation of educational personnel in South Carolina in the following undergraduate programs: Early Childhood, Elementary, Special Education, and secondary school programs in Agriculture, English, Mathematics, Science, and Social Studies.

Criminal Records Check

A criminal record could prevent a person enrolled in a teacher education program in South Carolina from being certified as a teacher in this state in accordance with State Board of Education guidelines.

Section 59-25-115 of the South Carolina Code of Laws specifies that before beginning the full-time clinical teaching experience in South Carolina, a teacher education candidate shall undergo a state criminal records check by the South Carolina Law Enforcement Division (SEDL) and a national criminal records check supported by fingerprints by the Federal Bureau of Investigation (FBI). The applicant is responsible for the cost associated with the FBI background checks. Information reported relative to prior arrests or convictions will be reviewed by the State Department of Education, and the State Board of Education when warranted, according to board guidelines. A teacher education candidate with prior arrests or convictions of a serious nature that could affect his/her fitness to teach in the public schools of South Carolina may be denied the opportunity to complete the clinical teaching experience, and thus affect eligibility for initial teacher certification. An individual who is denied this opportunity as a result of prior arrests or convictions, after one year, may request reconsideration under guidelines established by the State Board of Education.

The criminal records check will be handled through the Office of Teacher Certification at the South Carolina State Department of Education and will be considered phase one of a person’s application for a teaching credential. Provided the criminal records check is conducted within 18 months of the time the teacher candidate formally applies for a teaching certificate, the fingerprinting will not have to be repeated at the time of application. A graduate of a teacher education program applying for initial teacher certification must have completed the FBI fingerprint process within 18 months of formally applying for initial teacher certification or the fingerprint process must be repeated. The background check normally requires six (6) to eight (8) weeks to process. If the fingerprint card cannot be processed, the South Carolina State Department will inform the individual that it will be necessary to complete another fingerprint card and submit it to their office as soon as possible.

Admission

Professional—Application to the professional level of a program will be processed during the term in which a student is to complete 45 semester hours of work. At that time, the student will be notified of his/her status by the College’s Academic Advising Center. Prior to admission, the student must have passed all areas of the Praxis I Pre-Professional Skills Test (PPST) and have a minimum cumulative grade-point ratio of 2.5. A student may exempt the PPST by meeting minimum ACT or SAT requirements as determined each year by the South Carolina Department of Education.

Directed Teaching/Teaching Internship (Secondary)—A student shall apply to the field experience director prior to the semester in which block methods courses are to be scheduled. The following conditions must be met prior to registration for directed teaching: (1) admission to the professional level of a program; (2) completion of at least 95 semester hours; (3) a minimum cumulative grade-point ratio of 2.5. Students with a grade-point ratio of 2.25 to 2.5 may appeal to the Chair of Teacher Education, but exceptions are not common.

Enrollment in Professional Courses

Enrollment in 400-level professional education courses is contingent upon admission to the professional level as described above. Any student who desires to enroll in education courses must meet the cumulative grade-point requirements established for education majors. Appeals to continue taking classes may be made to the Chair of Teacher Education, but exceptions are not common.

Change of Major

Changing majors into Education is highly competitive and limited in Early Childhood Education, Elementary Education, Special Education, Secondary Education—Social Studies, and Secondary Education—English. The process involves a formal application and an essay. Requests for a change of major application can be made at the Health, Education and Human Development Academic Advising Center in 309 Edwards Hall and should be accompanied by an appointment with an advisor. Students wishing to change into any education major must have a minimum grade-point ratio of 2.5.

Graduation

To graduate, a student must have scores for all state-mandated certification exams on file with the Academic Advising Center in the College of Health, Education and Human Development. As of July 2006, students must pass all required Praxis II tests, including PLT (Principles of Learning and Teaching), before receiving recommendation for certification.

Graduate Study

Clemson University offers programs leading to the Master of Arts in Teaching, Master of Education, Master of Human Resource Development, Specialist in Education, and Doctor of Philosophy degrees.
AGRICULTURAL EDUCATION

Bachelor of Science
The College of Health, Education and Human Development and the College of Agriculture, Forestry and Life Sciences conduct a cooperative program to produce agricultural teachers (grades 9–12) for South Carolina. See page 42 for the curriculum.

EARLY CHILDHOOD EDUCATION

Bachelor of Arts
The Early Childhood Education curriculum prepares students for teaching positions on the pre-kindergarten and primary levels (Pre-K–3).

Freshman Year
First Semester

Second Semester
1. COMM 150 Intro. to Human Comm. or COMM 250 Public Speaking 2. ENGL 130 Accelerated Composition 3. MTHSC 216 Geometry for Elementary School Teachers II 5. Foreign Language Requirement 4. Elective 15

Sophomore Year
First Semester
1. GEOG 103 World Regional Geography 2. MTHSC 216 Geometry for Elementary School Teachers II 3. PSYCH 201 Introduction to Psychology 5. Arts and Humanities (Literature) Requirement 4. Art and Life Sciences conduct a cooperative program to produce agricultural teachers (grades 9–12) for South Carolina. See page 42 for the curriculum.

LITERACY, CULTURE AND DIVERSITY EMPHASIS AREA

Freshman Year
First Semester
1. BIOL 109 Introduction to Life Science 2. ED 105 Orientation to Education 3. GEOG 103 World Regional Geography 5. Foreign Language Requirement 15

Second Semester

Senior Year
First Semester

Second Semester

Junior Year
First Semester

Second Semester

Senior Year

Bachelor of Arts
The Elementary Education curriculum prepares students for teaching on the elementary school level (grades 2–6). Students select one of the two Emphasis Areas: Literacy, Culture and Diversity; or Mathematics and Science.

LITERACY, CULTURE AND DIVERSITY EMPHASIS AREA

Freshman Year
First Semester

Second Semester

Senior Year
First Semester

Second Semester

Sophomore Year
First Semester
1. COMM 150 Intro. to Human Comm. or COMM 250 Public Speaking 2. ED F 301 Principles of American Education 3. MTHSC 216 Geometry for Elementary School Teachers II 4. PH SC 117 Intro. to Chemistry and Earth Science for Elementary Education Majors 5. Arts and Humanities (Literature) Requirement 16

Second Semester

Junior Year
First Semester

Second Semester

Senior Year

Bachelor of Arts
The Elementary Education curriculum prepares students for teaching on the elementary school level (grades 2–6). Students select one of the two Emphasis Areas: Literacy, Culture and Diversity; or Mathematics and Science.

LITERACY, CULTURE AND DIVERSITY EMPHASIS AREA

Freshman Year
First Semester

Second Semester

Senior Year
First Semester

Second Semester

Sophomore Year
First Semester
1. COMM 150 Intro. to Human Comm. or COMM 250 Public Speaking 2. ED F 301 Principles of American Education 3. MTHSC 216 Geometry for Elementary School Teachers II 4. PH SC 117 Intro. to Chemistry and Earth Science for Elementary Education Majors 5. Arts and Humanities (Literature) Requirement 16

Second Semester

Junior Year
First Semester

Second Semester

Senior Year
<table>
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<tr>
<th>Semester</th>
<th>Courses</th>
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<tbody>
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</table>
| First Semester | 3 - ED EL 482 Capstone Sem. in Elem. Teaching  
9 - ED EL 483 Directed Teaching in the Elem. Sch. | |
| **Second Semester** | 3 - ED EL 482 Capstone Sem. in Elem. Teaching  
9 - ED EL 483 Directed Teaching in the Elem. Sch. | 12 |
| **Total Semester Hours** | 123 |  |

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3 - ED EL 487 Elementary Methods in Social Studies Teaching  
3 - ED EL 488 Elementary Methods in Language Arts Teaching  
3 - EDLT 461 Content Area Reading: Grades 2–6 | |
| Second Semester | 3 - ED EL 482 Capstone Sem. in Elem. Teaching  
9 - ED EL 483 Directed Teaching in the Elem. Sch. | |
| **Total Semester Hours** | 123 |  |

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9 - ED EL 483 Directed Teaching in the Elem. Sch. | |
| **Total Semester Hours** | 123 |  |
**SCIENCE TEACHING**

The programs leading to a Bachelor of Arts or Bachelor of Science degree in Science Teaching are designed for students planning to teach biological sciences, chemistry, earth sciences, or physical sciences on the secondary school level (grades 9–12). To be recommended for certification, students must earn a grade of C or higher in all science content courses.

**Double Majors in Science Teaching and Content Area**

The Bachelor of Arts Degree in Science Teaching will result in a double major in Science Teaching and the select content area (Biological Science, Chemistry, or Physics). To achieve the double major, the plan of study listed under Science Teaching must be followed. The double major prepares students for teaching science on the secondary level and graduate work in the respective content field.

**TEACHING AREA:**

**BIOLOGICAL SCIENCES**

**Bachelor of Arts**

**Freshman Year**

**First Semester**
3 - BIOL 103 General Biology I and 1 - BIOL 105 General Biology Lab. I or 5 - BIOL 111 Principles of Biology 4 - CH 101 General Chemistry 2 - ED 105 Orientation to Education 4 - MTHSC 106 Calculus of One Variable I 3 - Foreign Language Requirement 1 17–18

**Second Semester**
3 - BIOL 104 General Biology I and 1 - BIOL 106 General Biology Lab. II or 5 - BIOL 111 Principles of Biology II 4 - CH 102 General Chemistry 3 - ENGL 103 Accelerated Composition 3 - Foreign Language Requirement 2 3 - Statistics Requirement 1 17–18

**Sophomore Year**

**First Semester**
4 - CH 201 Survey of Organic Chemistry 3 - HIST 122 History, Technology, and Society or 3 - HIST 124 Environmental History Survey 3 - PHYS 207 General Physics I 1 - PHYS 209 General Physics I Lab. 3 - Arts and Humanities (Literature) Requirement 5 3 - Biochemistry or Genetics Requirement 4 15

**Second Semester**
3 - BIOSC 316 Human Physiology 3 - ED F 301 Principles of American Education 1 - ED F 355 Adolescent Growth and Development 3 - ENGL 103 World Regional Geography 3 - Arts and Humanities (Non-Lit.) Requirement 5 15

**Junior Year**

**First Semester**
3 - BIOL 103 General Biology I and 1 - BIOL 105 General Biology Lab. I or 5 - BIOL 111 Principles of Biology 4 - CH 101 General Chemistry 2 - ED 105 Orientation to Education 4 - MTHSC 106 Calculus of One Variable I 3 - Biochemistry or Genetics Requirement 4 15–16

**Second Semester**
3 - BIOSC 482 Lab. Techniques for Teaching Sci. 3 - BIOSC 406/407). 4 - Animal or Plant Diversity Requirement 5 18

**Senior Year**

**First Semester**
3 - BIOL 104 General Biology I and 1 - BIOL 106 General Biology Lab. II or 5 - BIOL 111 Principles of Biology II 4 - CH 102 General Chemistry 3 - ENGL 103 Accelerated Composition 3 - Foreign Language Requirement 1 3 - Statistics Requirement 2 17–18

**Second Semester**
3 - BIOL 105 General Biology Lab. II and 1 - BIOL 111 Principles of Biology II 4 - CH 102 General Chemistry 3 - ENGL 103 Accelerated Composition 3 - Foreign Language Requirement 1 3 - Statistics Requirement 2 17–18

**Junior Year**

**First Semester**
3 - BIOL 103 General Biology I and 1 - BIOL 105 General Biology Lab. I or 5 - BIOL 111 Principles of Biology 4 - CH 101 General Chemistry 2 - ED 105 Orientation to Education 4 - MTHSC 106 Calculus of One Variable I 3 - Biochemistry or Genetics Requirement 4 15–16

**Second Semester**
3 - BIOL 104 General Biology I and 1 - BIOL 106 General Biology Lab. II or 5 - BIOL 111 Principles of Biology II 4 - CH 102 General Chemistry 3 - ENGL 103 Accelerated Composition 3 - Foreign Language Requirement 1 3 - Statistics Requirement 2 17–18

**Sophomore Year**

**First Semester**
4 - CH 201 Survey of Organic Chemistry 3 - ED F 301 Principles of American Education 1 - ED F 355 Adolescent Growth and Development 3 - ENGL 103 World Regional Geography 3 - Arts and Humanities (Literature) Requirement 5 15

**Second Semester**
3 - BIOSC 316 Human Physiology 3 - ED F 301 Principles of American Education 4 - CH 101 General Chemistry 2 - ED 105 Orientation to Education 3 - ENGL 103 Accelerated Composition 3 - Statistics Requirement 1 16–17

**Senior Year**

**First Semester**
3 - BIOL 104 General Biology I and 1 - BIOL 106 General Biology Lab. II or 5 - BIOL 111 Principles of Biology II 4 - CH 101 General Chemistry 2 - ED 105 Orientation to Education 3 - ENGL 103 Accelerated Composition 3 - Statistics Requirement 1 16–17

**Second Semester**
3 - BIOSC 316 Human Physiology 3 - ED F 301 Principles of American Education 1 - ED F 355 Adolescent Growth and Development 3 - ENGL 103 World Regional Geography 3 - Arts and Humanities (Non-Lit.) Requirement 5 15

**Junior Year**

**First Semester**
3 - BIOL 103 General Biology I and 1 - BIOL 105 General Biology Lab. I or 5 - BIOL 111 Principles of Biology II 4 - CH 101 General Chemistry 2 - ED 105 Orientation to Education 3 - ENGL 103 Accelerated Composition 3 - Statistics Requirement 1 16–17

**Second Semester**
3 - BIOSC 316 Human Physiology 3 - ED F 301 Principles of American Education 1 - ED F 355 Adolescent Growth and Development 3 - ENGL 103 World Regional Geography 3 - Arts and Humanities (Non-Lit.) Requirement 5 15

**Senior Year**

**First Semester**
3 - BIOSC 441, 443, 446, or 470 One lecture course must be completed for both biochemistry (BIOCH 301 or 305) and for genetics (GEN 300 or 302). 3 - ENGL 210, 211, 214, or 215 3 - MTHSC 203, 209, or 309 3 - BIOSC 441, 443, 446, or 470 3 - To be taken the semester prior to EDSEC 447 and 457. EDSEC 427 and EDLT 498 must be taken concurrently. 3 - See General Education Requirements. 3 - EDSEC 447 and 457 must be taken concurrently. Offered spring semester only.
TEACHING AREA: CHEMISTRY
Bachelor of Arts

Freshman Year
First Semester
4 - CH 101 General Chemistry
1 - CH 141 Chemistry Orientation
3 - ENGL 103 Accelerated Composition
4 - MTHSC 106 Calculus of One Variable I
3 - Foreign Language Requirement
15

Second Semester
4 - CH 152 Chemistry Communication I
2 - CH 152 Chemistry Communication I
1 - PHYS 122 Physics with Calculus I
1 - PHYS 124 Physics Laboratory I
3 - Foreign Language Requirement
17

Sophomore Year
First Semester
3 - CH 223 Organic Chemistry
1 - CH 227 Organic Chemistry Laboratory
2 - ED 105 Orientation to Education
3 - HIST 122 History, Technology and Society or
3 - HIST 124 Environmental History Survey
3 - PHYS 221 Physics with Calculus II
1 - PHYS 223 Physics Laboratory II
3 - Arts and Humanities (Non-Lit.) Requirement
16

Second Semester
3 - CH 205 Intro. to Inorganic Chemistry
2 - CH 224 Organic Chemistry
1 - CH 228 Organic Chemistry Laboratory
3 - ED F 301 Principles of American Education
1 - ED F 315 Technology Skills for Learning
3 - PHYS 222 Physics with Calculus III
14

Junior Year
First Semester
3 - BIOL 103 General Biology I and
1 - BIOL 105 General Biology Laboratory I or
5 - BIOL 110 Principles of Biology I
3 - CH 313 Quantitative Analysis
1 - CH 317 Quantitative Analysis Laboratory
3 - CH 330 Introduction to Physical Chemistry
3 - EDSEC 327 Practicum in Second Year Science
14-15

Second Semester
3 - BIOL 104 General Biology II and
1 - BIOL 106 General Biology Laboratory II or
5 - BIOL 111 Principles of Biology II
3 - BIOSC 482 Laboratory Techniques for Teaching Science
3 - ED F 302 Educational Psychology
3 - ED F 335 Adolescent Growth and Development
3 - Statistics Requirement
16-17

Senior Year
First Semester
3 - ED SP 370 Introduction to Special Education
3 - EDSEC 427 Teaching Secondary Science
3 - EDLT 498 Secondary Content Area Reading
3 - GEOG 103 World Regional Geography
3 - Arts and Humanities (Literature) Requirement
15

Second Semester
3 - CH 450 Chemistry Capstone I
1 - CH 452 Chemistry Communication II
9 - EDSEC 447 Teaching Internship in Sec. Sci.
3 - EDSEC 457 Sec. Science Capstone Seminar
16

TEACHING AREA: PHYSICAL SCIENCES
Bachelor of Science

Freshman Year
First Semester
4 - CH 101 General Chemistry
3 - COMM 150 Intro. Human Communication or
3 - COMM 250 Public Speaking
2 - ED 105 Orientation to Education
3 - HIST 122 History, Technology, and Society or
3 - HIST 124 Environmental History Survey
4 - MTHSC 106 Calculus of One Variable I
16

Second Semester
3 - CH 102 General Chemistry
2 - CH 152 Chemistry Communication I
1 - PHYS 221 Physics with Calculus II
1 - PHYS 223 Physics Laboratory II
3 - Arts and Humanities (Non-Lit.) Requirement
16

Junior Year
First Semester
3 - BIOL 103 General Biology I and
1 - BIOL 105 General Biology Laboratory I or
5 - BIOL 110 Principles of Biology I
3 - CH 313 Quantitative Analysis
1 - CH 317 Quantitative Analysis Laboratory
3 - CH 330 Introduction to Physical Chemistry
3 - EDSEC 327 Practicum in Secondary Science
14-15

Second Semester
3 - BIOL 104 General Biology II and
1 - BIOL 106 General Biology Laboratory II or
5 - BIOL 111 Principles of Biology II
3 - BIOSC 482 Laboratory Techniques for Teaching Science
3 - ED F 302 Educational Psychology
3 - ED F 335 Adolescent Growth and Development
3 - Statistics Requirement
16-17

Second Semester
3 - BIOL 104 General Biology II
1 - BIOL 106 General Biology Lab. II or
5 - BIOL 111 Principles of Biology II
3 - CH 201 Survey of Organic Chemistry
4 - MTHSC 206 Calculus of Several Variables
3 - PHYS 222 Physics with Calculus II
1 - PHYS 223 Physics Lab. II
16-17

Senior Year
First Semester
3 - ED SP 370 Introduction to Special Education
3 - EDSEC 427 Teaching Secondary Science
3 - EDLT 498 Secondary Content Area Reading
3 - GEOG 103 World Regional Geography
3 - Arts and Humanities (Literature) Requirement
15

Second Semester
3 - BIOL 104 General Biology II
1 - BIOL 106 General Biology Lab. II or
5 - BIOL 111 Principles of Biology II
3 - CH 201 Survey of Organic Chemistry
4 - MTHSC 206 Calculus of Several Variables
3 - PHYS 222 Physics with Calculus II
1 - PHYS 223 Physics Lab. II
16-17

Junior Year
First Semester
3 - ASTR 105 Physics of the Universe or
3 - ASTR 102 Stellar Astronomy
1 - ASTR 104 Stellar Astronomy Lab.
3 - CH 313 Quantitative Analysis
1 - CH 317 Quantitative Analysis Lab.
3 - CH 330 Introduction to Physical Chemistry
3 - EDSEC 327 Practicum in Secondary Science
3 - Arts and Humanities (Literature) Requirement
16-17

Second Semester
3 - BIOL 103 General Biology I
1 - BIOL 105 General Biology Laboratory I or
5 - BIOL 110 Principles of Biology I
3 - CH 201 Survey of Organic Chemistry
4 - MTHSC 206 Calculus of Several Variables
3 - PHYS 222 Physics with Calculus II
1 - PHYS 223 Physics Lab. II
16-17

Senior Year
First Semester
3 - ED SP 370 Introduction to Special Education
3 - EDSEC 427 Teaching Secondary Science
3 - EDLT 498 Secondary Content Area Reading
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1 - PHYS 223 Physics Lab. II
16-17

TEACHING AREA: PHYSICS
Bachelor of Arts

Freshman Year
First Semester
3 - ASTR 105 Physics of the Universe or
3 - ASTR 102 Stellar Astronomy
1 - ASTR 104 Stellar Astronomy Lab.
3 - CH 313 Quantitative Analysis
1 - CH 317 Quantitative Analysis Lab.
3 - CH 330 Introduction to Physical Chemistry
3 - EDSEC 327 Practicum in Secondary Science
3 - Arts and Humanities (Literature) Requirement
12

Second Semester
9 - EDSEC 447 Teaching Internship in Sec. Sci.
3 - EDSEC 457 Sec. Science Capstone Seminar
12

Junior Year
First Semester
3 - ED SP 370 Introduction to Special Education
3 - EDLT 498 Secondary Content Area Reading
3 - EDSEC 427 Teaching Secondary Science
3 - PHIL 324 Philosophy of Technology or
3 - PHIL 325 Philosophy of Science or
3 - PHIL 326 Science and Values
3 - PHYS 311 Intro. to Meth. of Theoretical Phys.
15

Second Semester
9 - EDSEC 447 Teaching Internship in Sec. Sci.
3 - EDSEC 457 Sec. Science Capstone Seminar
12

Senior Year
First Semester
3 - ED SP 370 Introduction to Special Education
3 - EDLT 498 Secondary Content Area Reading
3 - EDSEC 427 Teaching Secondary Science
3 - PHIL 324 Philosophy of Technology or
3 - PHIL 325 Philosophy of Science or
3 - PHIL 326 Science and Values
3 - PHYS 311 Intro. to Meth. of Theoretical Phys.
15

Second Semester
9 - EDSEC 447 Teaching Internship in Sec. Sci.
3 - EDSEC 457 Sec. Science Capstone Seminar
12

Senior Year
First Semester
3 - ED SP 370 Introduction to Special Education
3 - EDLT 498 Secondary Content Area Reading
3 - EDSEC 427 Teaching Secondary Science
3 - PHIL 324 Philosophy of Technology or
3 - PHIL 325 Philosophy of Science or
3 - PHIL 326 Science and Values
3 - PHYS 311 Intro. to Meth. of Theoretical Phys.
15

Second Semester
9 - EDSEC 447 Teaching Internship in Sec. Sci.
3 - EDSEC 457 Sec. Science Capstone Seminar
12
SECONDARY EDUCATION

The Bachelor of Arts degree in Secondary Education is available to students preparing to teach English and mathematics on the secondary school level (grades 9–12). The teaching field should be selected as early as possible so appropriate freshman and sophomore courses may be taken.

Each curriculum is a double major composed of the major concentration in the teaching field and the corresponding content major. Specific courses and sequences have been designated to meet requirements for those planning to teach. The professional education courses should be completed in sequence.

TEACHING AREA: ENGLISH

The Bachelor of Arts Degree in Secondary Education—English offers a double major in Secondary Education—English and English.

Freshman Year

First Semester
- COMM 150 Intro. to Human Communication or COMM 250 Public Speaking
- ED 105 Orientation to Education
- MTHSC 108 Calculus of One Variable II
- PHYS 224 Physics Laboratory II
- Oral Communication Requirement

Second Semester
- BIOL 1 Principles of Biology I or PHYS 124 Physics Laboratory I
- BIS 105 General Biology I and MTHSC 208 Calculus of Several Variables
- PHYS 221 Physics with Calculus II
- PHYS 224 Physics Laboratory II
- Social Science Requirement

Sophomore Year

First Semester
- BIOL 111 Principles of Biology II or ED 106 General Biology II with BIOL 105 General Biology I Lab.
- ED F 327 Practicum in Secondary Science
- MTHSC 434 Advanced Engineering Math. or PHYS 311 Intro. to the Methods of Theoretical Physics
- PHYS 321 Mechanics I
- PHYS 325 Experimental Physics I

Second Semester
- BIOSC 482 Lab. Techniques for Teaching Sci.
- ED F 302 Educational Psychology
- ED F 339 Adolescent Growth and Develop.
- PHYS 441 Electromagnetics I
- Oral Communication Requirement

Junior Year

First Semester
- CH 331 Physical Chemistry
- ED F 315 Tech. Skills for Learning
- EDSEC 327 Practicum in Secondary Science
- MTHSC 434 Advanced Engineering Math. or PHYS 311 Intro. to the Methods of Theoretical Physics
- PHYS 441 Electromagnetics I
- Oral Communication Requirement

Second Semester
- BIOSEC 482 Lab. Techniques for Teaching Sci.
- ED F 302 Educational Psychology
- ED F 339 Adolescent Growth and Develop.
- PHYS 441 Electromagnetics I
- Oral Communication Requirement

Senior Year

First Semester
- EDSEC 427 Teaching Secondary Science
- MTHSC 488 Secondary Content Area Reading
- PHYS 455 Quantum Physics I
- Arts and Humanities (Literature) Requirement
- Social Science Requirement

Second Semester
- ED F 301 Principles of American Education
- ED F 302 Educational Psychology
- ENGL 310 Critical Writing About Literature
- Arts and Humanities (Non-Lit.) Req.
- English Literature Survey Requirement

Second Semester
- ED F 335 Adolescent Growth and Development
- ENGL 386 Adolescent Literature
- English Literature Survey Requirement
- HIST 316 American Social History
- HIST 361 History of England to 1688
- HIST 365 British Cultural History
- Fine Arts Requirement

Junior Year

First Semester
- EDSEC 324 Prac. in Teaching Secondary Engl.
- ENGL 300 Professional Development
- ENGL 411 Shakespeare
- English Literature Survey Requirement
- Literature Emphasis Area Requirement
- Literature Emphasis Area Diversity Req.

Second Semester
- English Literature Survey Requirement
- Literary Theory Requirement
- Literature Emphasis Area Requirement II
- Literature Emphasis Area Requirement III
- Social Science Requirement

Senior Year

First Semester
- ED SP 370 Introduction to Special Education
- EDSEC 424 Teaching Secondary English
- ENGL 485 Composition for Teachers
- ENGL 496 English Senior Seminar
- EDLT 498 Secondary Content Area Reading

Second Semester
- ED F 425 Instructional Technology Strategies
- EDSEC 444 Teaching Intern. in Secondary English
- EDSEC 454 Secondary English Capstone Sem.

1Two semesters (through 202) in any modern foreign language or American Sign Language are required.
2See General Education Requirements.
3Any other course related to science or mathematics that satisfies the General Education S TS requirement may be substituted.
4Select from PHIL 101, 102, or 103.
5Select from ENGL 396, 397, 398, or 399.
6This course qualifies as a Literature Emphasis Area Requirement for a BA in English.
7ENGL 357 is required.
8Students must complete 45 hours of field experience in a public school.
9Select from ENGL 404, 407, 408, 410, 414, 420, 429, 444, or 463.
10Select from ENGL 353, 380, 419, (HUM) 456, 482, or 483.
11Select from ENGL 435, 436, 440, or 442, or other course approved by the department.
12Select from ENGL 415, 416, 417, 418, 421, 425, 426, or 464.
13Select from ENGL 428, (THEA) 430, 431, 432, 433, 434, 455, or 465.
14ED SP 370, EDSEC 424, ENGL (EDSEC) 485, and EDLT 498 must be taken concurrently during final semester of senior year. Students must also enroll in the laboratory sections of EDSEC 324 and EDLT 498.
15ED F 425, EDSEC 444, and 454 must be taken concurrently during spring semester of senior year.

TEACHING AREA: MATHEMATICS

The Bachelor of Arts degree in Secondary Education—Mathematics offers a double major in Secondary Education—Mathematics and Mathematical Sciences. To be recommended for certification, students must earn a C or higher in all mathematics content courses.
Bachelor of Arts

Freshman Year

First Semester
- ED 105 Orientation to Education
- ENGL 103 Accelerated Composition
- MTHSC 106 Calculus of One Variable I
- Foreign Language Requirement
- Natural Science Requirement

Second Semester
- MTHSC 108 Calculus of One Variable II
- MTHSC 119 Intro to Discrete Methods or
- MTHSC 129 Problem Solving in Discrete Math.
- PHIL 102 Introduction to Logic
- PHYS 122 Physics with Calculus I
- Foreign Language Requirement

Sophomore Year

First Semester
- ECON 200 Economic Concepts or
- ECON 211 Principles of Microeconomics
- EDSEC 226 A Prof. Approach to Sec. Algebra
- HIST 102 History of the United States
- MTHSC 206 Calculus of Several Variables
- MTHSC 250 Intro. to Mathematical Sciences
- Computer Science Requirement

Second Semester
- ED F 302 Educational Psychology
- ED F (CTE) 315 Technology Skills for Learning
- MTHSC 208 Intro. to Ordinary Diff. Equations
- MTHSC 311 Linear Algebra
- Arts and Humanities (Literature) Requirement
- Science and Tech. in Society Requirement

Junior Year

First Semester
- ED F 301 Principles of American Education
- MTHSC 302 Statistics for Science and Engr.
- MTHSC 400 Theory of Probability
- Cross-Cultural Awareness Requirement

Second Semester
- ED F 335 Adolescent Growth and Development
- ED SP 370 Introduction to Special Education
- MTHSC 308 College Geometry
- MTHSC 412 Introduction to Modern Algebra

Senior Year

First Semester
- COMM 250 Public Speaking
- ED F 425 Instructional Technology Strategies
- EDLT 498 Secondary Content Area Reading
- EDSEC 426 Teaching Secondary Mathematics
- MTHSC 408 Topics in Geometry
- MTHSC 453 Advanced Calculus I

Second Semester
- EDSEC 446 Teaching Internship in Secondary Mathematics
- 125 Total Semester Hours

SPECIAL EDUCATION

Bachelor of Arts

Freshman Year

First Semester
- ED 105 Orientation to Education
- ENGL 103 Accelerated Composition
- MTHSC 106 Calculus of One Variable I
- Foreign Language Requirement
- Natural Science Requirement

Second Semester
- SOC 201 Introduction to Sociology
- Advanced Humanities Requirement
- Arts and Humanities (Literature) Requirement
- Teaching Major

Senior Year

First Semester
- ED F 425 Instructional Technology Strategies
- ED SP 370 Introduction to Special Education
- EDSEC 428 Teaching Secondary Social Studies
- EDLT 498 Secondary Content Area Reading
- HIST 490 Senior Seminar
- Advanced Humanities Requirement

Second Semester
- EDSEC 448 Teaching Internship in Secondary Social Studies
- EDSEC 458 Secondary Social Studies Capstone Seminar
- 129 Total Semester Hours

Junior Year

First Semester
- ECON 200 Economic Concepts
- ED F 302 Educational Psychology
- MTHSC 106 Calculus of One Variable I
- HIST 114 History of the United States
- HIST 172 The West and the World I
- PO SC 101 American National Government

Second Semester
- ED F 335 Adolescent Growth and Development
- ED SP 370 Introduction to Special Education
- MTHSC 308 College Geometry
- MTHSC 412 Introduction to Modern Algebra

Senior Year

First Semester
- ECON 200 Economic Concepts
- ED F 302 Educational Psychology
- HIST 114 History of the United States
- HIST 172 The West and the World I
- PO SC 101 American National Government
- History of the United States
- American National Government

Second Semester
- ED F 335 Adolescent Growth and Development
- EDSEC 328 Practicum in Secondary Social Studies
- Teaching Major

Junior Year

First Semester
- ED F (HIST) 320 History of U.S. Public Edu.
- ED F 335 Adolescent Growth and Development
- EDSEC 328 Practicum in Secondary Social Studies
- Teaching Major

Second Semester
- ED 105 Orientation to Education
- HIST 124 Environmental History Survey
- HIST 122 History, Technology, and Society
- MTHSC 115 Contemporary Mathematics for Elementary School Teachers
- Foreign Language Requirement
- Natural Science Requirement

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### Sophomore Year

**First Semester**
- ED F 301 Principles of American Education
- ED F 310 Communication and Cultural Studies
- ED SP 370 Introduction to Special Education
- MTHSC 216 Geometry for Elementary School Teachers
- Arts and Humanities (Literature) Requirement
- Natural Science Requirement

**Second Semester**
- ENGL 212, 213, 214, or 215
- See General Education Requirements.
- ED EL 310, ED SP 372 and 374 must be taken concurrently during the fall semester of junior year.
- HIST 101, 102, 172, 173, or 193
- ED EL 451, ED SP 373, and 491, and EDLT 460 must be taken concurrently during the spring semester of the junior year.
- ED F 425, ED SP 493, 494, 496, and 497 must be taken concurrently during the fall semester of the senior year.
- ED SP 495 and 498 must be taken concurrently during the spring semester of the senior year.

### Junior Year

**First Semester**
- ED EL 310 Arts in the Elementary School
- ED SP 372 Char. and Instruction of Individuals with Learning Disabilities
- ED SP 374 Char. and Strat. for Individuals with Emotional/Behavioral Disorders
- History Requirement
- Elective

**Second Semester**
- ED EL 451 Elem. Meth. in Science Teaching
- ED EL 487 Elementary Methods in Social Studies Teaching
- ED SP 373 Characteristics and Instruction of Individuals with Intellectual Disabilities and Autism
- ED SP 491 Educational Assessment of Individuals with Disabilities
- EDLT 460 Teaching Reading in the Elementary Grades: 2–6

### Senior Year

**First Semester**
- ED F 425 Instructional Technology Strategies
- ED SP 492 Mathematics Instruction for Individuals with Mild Disabilities
- ED SP 493 Classroom and Behavior Management for Special Educators
- ED SP 494 Teaching Reading to Students with Mild Disabilities
- ED SP 496 Special Education Field Experience
- ED SP 497 Secondary Methods for Individuals with Disabilities

### HEALTH PROMOTION AND EDUCATION CONCENTRATION

**Freshman Year**
- BIOL 103 General Biology I and 1
- BIOL 105 General Biology Lab. I or 5
- BIOL 110 Principles of Biology I
- HLTH 202 Introduction to Public Health
- PSYCH 201 Introduction to Psychology
- SOC 201 Introduction to Sociology
- Elective

**Second Semester**
- BIOL 301 General Zoology
- HLTH 303 Public Health Communication
- HLTH 304 Hlth. Promotion Program Planning
- HLTH 305 Epidemiology
- Guided Requirement

**Sophomore Year**
- CH 101 General Chemistry or 4
- CH 105 Chemistry in Context 1
- HLTH 203 Overview of Health Care Systems
- Mathematics Requirement
- Social Science Requirement

**Senior Year**
- BIOL 202 General Zoology or 4
- BIOL 205 General Zoology Lab. I
- COMM 150 Intro. to Human Comm. or 3
- COMM 250 Public Speaking
- HLTH 240 Determinants of Health Behavior
- HLTH 398 Health Appraisal Skills
- PSYCH 340 Lifespan Developmental Psych.

### HEALTH SCIENCE

**Bachelor of Science**

The Department of Public Health Sciences prepares students for careers in the health field, one of the largest industries in the United States. It includes hospitals and other medical service providers, public health organizations, health insurance companies, health-related sales, health fitness organizations, and community and nonprofit health agencies.

Plans of study can be arranged in health promotion and educational health services administration, leadership for cardiovascular technology, and preprofessional health studies. Students in the Health Promotion and Education Concentration have the skills to assess, plan, communicate, implement, manage, and evaluate public health promotion programs. Students in the Preprofessional Health Studies Concentration obtain the coursework and experience necessary for acceptance into various graduate programs in clinical health professions. The Cardiovascular Imaging Leadership Concentration provides a core of health science classes, training in diagnostic cardiovascular sonography, and a leadership certificate. The Health Services Administration Concentration allows students to develop skills and competencies in health administration/management for entry-level careers or graduate study in this area. A minor in Business Administration is integral to the concentration. The department, in cooperation with the College of Architecture, Arts and Humanities, also offers a joint Bachelor of Science degree in Language and International Health (see pages 66-67).

When space is available, students with fewer than 90 credit hours earned may apply to change majors into Health Science with a minimum cumulative grade-point ratio of 2.25. Students with 50 or more credit hours may apply for a change-of-major into Health Science when space is available based on the following restrictions:

- completion of the Health Science Mathematics and Statistics Requirements and the General Education Natural Science Requirement

- minimum cumulative grade-point ratio of 2.5

**Admission**

Students must maintain a minimum cumulative grade-point ratio of 2.5 and how this major would support his/her career goals.

Additional information is available at [www.hehd.clemson.edu/PublicHealth/index.htm](http://www.hehd.clemson.edu/PublicHealth/index.htm).
Senior Year
First Semester
5 - HLTH 420 Health Science Internship1
6 - Health Requirement2
3 - Elective
14
Second Semester
3 - Arts and Humanities (Literature) Requirement2
6 - Guided Requirement1
3 - Health Requirement2
3 - Elective
15
120–121 Total Semester Hours
1MTHSC 101, 102, or 106
2See General Education Requirements. Three of these credit hours must also satisfy the Cross-Cultural Awareness Requirement.
3See advisor. Courses in Spanish are strongly recommended.

HEALTH SERVICES ADMINISTRATION CONCENTRATION

Freshman Year
First Semester
3 - ECON 211 Principles of Microeconomics
3 - HLTH 202 Introduction to Public Health
4 - Natural Science Requirement1
3 - Social Science Requirement2
2 - Elective
15
Second Semester
3 - ECON 212 Principles of Macroeconomics
3 - ENGL 103 Accelerated Composition
3 - HLTH 203 Overview of Health Care Systems
3 - Guided Requirement1
34 - Mathematics Requirement4
15–16
Sophomore Year
First Semester
3 - ACCT 201 Financial Accounting Concepts
3 - C R D (AP EC, HLTH) 361 Introduction to Health Care Economics
3 - HLTH 298 Human Health and Disease
3 - Health Requirement1
3 - Statistics Requirement6
15
Second Semester
3 - COMM 150 Intro. to Human Comm. or 3 - COMM 250 Public Speaking
3 - HLTH 240 Determinants of Health Behavior
3 - MGT 201 Principles of Management
3 - Guided Requirement1
3 - Social Science Requirement2
15
Junior Year
First Semester
3 - HLTH 380 Epidemiology
3 - LAW 322 Legal Environment of Business
3 - MKT 301 Principles of Marketing
3 - Guided Requirement1
3 - Elective
15
Second Semester
1 - HLTH 419 Health Science Internship Preparation Seminar
3 - HLTH 490 Research and Evaluation Strategies for Public Health
3 - Arts and Humanities (Literature) Requirement2
3 - Guided Requirement1
3 - Health Requirement1
3 - Elective
16
Senior Year
First Semester
3 - FIN 306 Corporation Finance
5 - HLTH 420 Health Science Internship1
3 - HLTH 440 Managing Health Service Org.
3 - HLTH 460 Health Information Systems
14
Second Semester
3 - HLTH 475 Principles of Health Care Operations Management and Research
3 - HLTH 478 Health Policy, Ethics and Law
3 - HLTH 479 Financial Management and Budgeting for Health Service Organizations
3 - Arts and Humanities (Non-Lit.) Requirement1
3 - Guided Requirement1
15
120–121 Total Semester Hours
1BIOL 103/105, CH 101, 105, PHYS 122/124, or 207/209
2See General Education Requirements. Six of these credit hours must also satisfy the Cross-Cultural Awareness and Science and Technology in Society Requirements.
3See advisor. Courses in Spanish are strongly recommended.

CARDBIOVASCULAR IMAGING LEADERSHIP CONCENTRATION

Freshman Year
First Semester
3 - BIOL 103 General Biology I and
1 - BIOL 105 General Biology Lab. I or
5 - BIOL 110 Principles of Biology I
4 - CH 101 General Chemistry
3 - HLTH 202 Introduction to Public Health
3 - Social Science Requirement1
14–15
Second Semester
3 - BIOL 104 General Biology II and
1 - BIOL 106 General Biology Lab. II or
5 - BIOL 111 Principles of Biology II
4 - CH 102 General Chemistry
3 - ENGL 103 Accelerated Composition
3 - HLTH 203 Overview of Health Care Systems
3 - Guided Requirement1
17–19
Sophomore Year
First Semester
4 - BIOSC 222 Human Anatomy and Phys. I
3 - CVT 225 Ultrasound Physics
3 - HLTH 298 Human Health and Disease
3 - PHYS 207 General Physics I
1 - PHYS 209 General Physics I Laboratory
3 - Statistics Requirement5
17
Second Semester
4 - BIOSC 223 Human Anatomy and Physiology II
4 - COMM 150 Intro. to Human Communication or 4 - COMM 250 Public Speaking
3 - CVT 226 Intro. to Cardiovascular Sonography
3 - HEHD 400 Intro. to Leadership Theories and Concepts
3 - HLTH 240 Determinants of Health Behavior
16
Junior Year
First Semester
4 - CVT 326 Echocardiography Principles
4 - CVT 335 Vascular Sonography Principles
3 - HLTH 380 Epidemiology
3 - Arts and Humanities (Literature) Requirement1
14
Second Semester
4 - CVT 326 Echocardiography Methods
4 - CVT 336 Vascular Sonography Methods
3 - HEHD 410 Leadership Behav. and Civil Engage.
3 - HLTH 490 Research and Evaluation Strategies for Public Health
3 - Arts and Humanities (Non-Lit.) Requirement1
17
Summer
6 - CVT 424 CVS Field Experience I
Senior Year
First Semester
6 - CVT 425 CVS Field Experience II
3 - HEHD 420 Leadership Appl. and Experience
3 - Social Sciences Requirement1
12
Second Semester
6 - CVT 426 CVS Field Experience III
3 - Health Requirement4
3 - Elective
12
125–128 Total Semester Hours
1See General Education Requirements. Six of these credits must also satisfy the Cross-Cultural Awareness and Science and Technology in Society Requirements.
PREPROFESSIONAL HEALTH STUDIES CONCENTRATION

Freshman Year
First Semester
1. BIOL 103 General Biology I
2. HLTH 298 Human Health and Disease
3. Elective
4. Mathematics Requirement
16
Second Semester
1. BIOL 104 General Biology II
2. HLTH 299 Health Science Internship
3. Elective
4. Social Science Requirement
16
Sophomore Year
First Semester
1. BIOCS 222 Human Anatomy and Phys. I
2. HLTH 284 Preventive Health and Disease
3. Elective
4. Social Science Requirement
16
Second Semester
1. BIOCS 223 Human Anatomy and Phys. II
2. COMM 150 Intro. to Human Comm. or COMM 250 Public Speaking
3. HLTH 240 Determinants of Health Behavior
4. Elective
16
Junior Year
First Semester
1. HLTH 380 Epidemiology
2. PHYS 207 General Physics I
3. PHYS 209 General Physics I Lab.
4. Guided Requirement
5. Health Requirement
6. Elective
15
Second Semester
1. HLTH 419 Health Science Internship Preparation Seminar
2. HLTH 490 Research and Evaluation Strategies for Public Health
3. PHYS 208 General Physics II
4. PHYS 210 General Physics II Lab.
5. Arts and Humanities (Non-Lit.) Requirement
6. Guided Requirement
15
Senior Year
First Semester
1. HLTH 420 Health Science Internship
2. Arts and Humanities (Literature) Requirement
3. Health Requirement
4. Elective
14
Second Semester
1. Guided Requirement
2. Health Requirement
3. Elective
13
120–123 Total Semester Hours

To comply with clinical agency contract requirements and South Carolina law, students enrolled in nursing courses with a clinical laboratory must meet specific requirements listed in the School of Nursing Student Handbook at www.clemson.edu/hehd/nursing.

The School of Nursing programs are accredited by the CCNE (Commission on Collegiate Nursing Education), One Dupont Circle NW, Suite 530, Washington, DC 20036-1120.

Entrance Requirements
To facilitate admission of students who can achieve at an appropriate level in the program, admission is selective. Consideration is given to performance in secondary school and on the College Board Examination (SAT). Those seeking admission are advised to apply to the University early in the fall of the senior year in high school.

Transfer admission is competitive. Students are encouraged to apply early to the Office of Admissions. The University admits ten new transfer students to the Nursing major during the fall semester only. Potential students should have a grade-point ratio of 3.0 and completion of 30 semester hours of transferable courses. Placement in the Nursing curriculum will be determined after credit evaluation is completed.

Students may change majors into Nursing based on approval of an Admissions Committee in the School of Nursing. Applications are accepted each year during January with a deadline of January 31. Decisions are made by February 28. Change-of-major students will have a start date of the following January into upper division (junior-level) nursing courses. Applicants should meet the following requirements prior to the semester of application: a minimum cumulative grade-point ratio of 2.75, completion of a minimum of two required sciences in the Nursing curriculum with a C or better. Selection priority is based on grade-point ratio and number of completed nursing prerequisites. Students are allowed to apply only twice. Information regarding the admission process to the Accelerated Second Degree nursing program can be found on the School of Nursing website.

Detailed information is available from the Academic Advising Center in 309 Edwards Hall or at www.clemson.edu/hehd/nursing.

Freshman Year
First Semester
1. BIOL 103 General Biology I
2. BIOL 105 General Biology Lab. I
3. COMM 150 Intro. to Human Comm. or COMM 250 Public Speaking
4. PHYS 208 General Physics II
5. PHYS 210 General Physics II Lab.
6. Arts and Humanities (Non-Lit.) Requirement
7. Elective
15
Second Semester
1. CH 101 General Chemistry
2. HLTH 298 Human Health and Disease
3. Elective
16
Sophomore Year
First Semester
4 - BIOSC 222 Human Anatomy and Phys. I
4 - MICRO 205 Introductory Microbiology
3 - NUTR 205 Nutrition for Nursing Professionals
3 - Arts and Humanities (Literature) Requirement
1 - Elective
15

Second Semester
4 - BIOSC 223 Human Anatomy and Phys. II
3 - NURS 320 Professionalism in Nursing
3 - NURS (H C G) 333 Health Care Genetics
3 - Cross-Cultural Awareness Requirement
2 - Elective
16

Junior Year
First Semester
3 - ENGL 304 Business Writing or
3 - ENGL 314 Technical Writing or
3 - ENGL 315 Scientific Writing and Communication
3 - NURS 304 Pathophysiology for Health Care Professionals
3 - NURS 310 Health Assessment
4 - NURS 312 Medical-Surgical I: Foundations of Nursing
3 - NURS 340 Pharmacotherapeutic Nursing Interventions
15

Second Semester
7 - NURS 333 Health Care Genetics
3 - Elective
15

Senior Year
First Semester
5 - NURS 401 Mental Health Nursing
5 - NURS 411 Nursing Care of Children
5 - NURS 412 Nursing Care of Women and Their Families
15

Second Semester
5 - NURS 403 Medical-Surgical III: Complex Nursing of Adults
6 - NURS 410 Leadership Management and Nursing Care Practicum
5 - NURS 414 Community Health Nursing and Health Promotion or
4 - NURS 415 Community Health Nursing
15-16

123 or 125 Total Semester Hours

Notes:
1. A minimum grade of a C is required in the following courses for progression to junior year clinical courses: BIOL 105/105, BIOSC 222, 223, CH 101, MICRO 205, MTHSC 101, 203, NUTR 205.
2. A minimum grade of C is required in all nursing courses.
3. To progress to junior-level nursing courses, students must have a minimum grade-point ratio of 2.5 and may not have received more than two final course grades of less than a C in the last five years.
4. A minimum grade-point ratio of 2.5 must be achieved in all required nursing courses for progression to the next level. Only courses required for the Nursing curriculum, including the allotted three elective credit hours, will be used to calculate this grade-point ratio.
5. Students may repeat only one nursing course, excluding a W or redemption. Further, students may repeat that nursing course one time only. Students who are unsuccessful on the second attempt in a nursing course will be counseled to select another major and will not be permitted to continue in the Nursing program.
6. Students must pass didactic and clinical components to pass all clinical courses.

Registered Nurse BS Completion Program
The RN/BS curriculum offers an individualized study option for the registered nurse to obtain a baccalaureate degree in Nursing. Credits may be earned through an accelerated program of study, combining transfer credits for selected courses from accredited institutions of higher learning, credit by examination for previously completed nursing courses, and enrollment in courses at Clemson University. Qualified students may take up to six hours of graduate courses towards the master’s degree in Nursing. Registered nurses interested in pursuing a baccalaureate degree should contact the School of Nursing for curriculum requirements. This program is offered at the University Center of Greenville.

Freshman Year
First Semester
3 - SOC 201 Introduction to Sociology
3 - Computer Skills Requirement
3 - Mathematics Requirement
4 - Science Requirement
3 - Elective
16

Second Semester
3 - ENGL 103 Accelerated Composition
3 - PSYC 201 Introduction to Psychology
1 - Approved Requirement
3 - Arts and Humanities (Non-Lit.) Requirement
4 - Science Requirement
16

Sophomore Year
First Semester
4 - BIOSC 222 Human Anatomy and Phys. I
4 - MICRO 205 Introductory Microbiology
3 - Arts and Humanities (Literature) Requirement
4 - Elective
15

Second Semester
4 - BIOSC 223 Human Anatomy and Phys. II
3 - Nutrition Requirement
3 - Oral Communication Requirement
5 - Elective
15

Junior Year
First Semester
3 - NURS 304 Pathophysiology for Health Care Professionals
4 - NURS 312 Medical-Surgical I: Therapeutic Nursing Interventions
5 - NURS 411 Nursing Care of Children
3 - Departmental Requirement
15

Second Semester
7 - NURS 303 Medical-Surgical II: Nursing of Adults
2 - NURS 319 Health Assessment for RNs
3 - NURS 330 Research in Nursing
3 - NURS 406 Issues in Professionalism
15

Senior Year
First Semester
4 - NURS 307 Family Nursing in the Community
3 - NURS (HCG) 333 Health Care Genetics
5 - NURS 403 Medical-Surgical III: Complex Nursing of Adults
5 - NURS 412 Nurs. Care of Women and Families
17

Second Semester
5 - NURS 401 Mental Health Nursing
3 - NURS 405 Leadership and Mgt. in Nursing
4 - NURS 425 Community Nursing
3 - Scientific/Technical Writing Requirement
15

124 Total Semester Hours

Notes:
1. Students must achieve a C or better in all required science and nursing courses.
2. A minimum grade-point ratio of 2.5 is required in all nursing courses for progression to the next level. Students may repeat a nursing course one time only. A student who does not maintain a 2.5 or better GPA in the curriculum will not be permitted to continue in the Nursing major.
3. Students must pass didactic and clinical components to pass all clinical courses.

PARKS, RECREATION AND TOURISM MANAGEMENT
Bachelor of Science
The Department of Parks, Recreation and Tourism Management prepares students for a variety of careers in public and private leisure services. The curriculum provides a broad exposure to the management of leisure service programs and resources, such as those for municipalities, institutions, voluntary and youth-serving agencies, management positions within the travel and tourism industry and as resource managers of local, state, and federal parks and related lands and waters.
The curriculum allows students to select from five concentrations. This latitude permits accommodation of each student’s career objectives in positions in community recreation, sport management, recreation programming, cultural arts management, commercial recreation, wilderness management, nature interpretation, park management, historic site management, rehabilitation services, leisure counseling, camp administration, recreation therapy, programs for people with disabilities or senior citizens, travel industry, resort management, convention and visitor bureaus, theme parks, community tourism, and special event/festival planning, to name a few.

The Parks, Recreation and Tourism Management program is accredited by the National Council on Accreditation (National Recreation and Park Association/Council on Postsecondary Accreditation). Graduates are immediately eligible to apply to become “Certified Park and Recreation Professionals,” a valuable credential for professional advancement.

When space is available, a student may change majors to one of the degree concentrations in the Department of Parks, Recreation and Tourism Management with a 2.0 cumulative grade-point ratio and approval of the department chair or his/her designee. Students are encouraged to speak with the PRTM advisor about changing their major prior to the start of their sophomore year to avoid a delay in graduation due to course sequencing and course prerequisite requirements.

Graduate degrees offered are Master of Parks, Recreation and Tourism Management; Master of Science; and Doctor of Philosophy.

COMMUNITY RECREATION, SPORT AND CAMP MANAGEMENT CONCENTRATION

The Community Recreation, Sport and Camp Management (CRSCM) Concentration prepares students for careers in community recreation, amateur athletics, and camp management by developing theoretical, conceptual, and applied knowledge based necessary for success in its diverse field. The focus of this program is on community, family, and individual development. Career opportunities include, but are not limited to, community recreation programming, community athletic programming, camp administration, facility operation and management, special events, campus recreation, and fitness and wellness programming.

Freshman Year

First Semester
2 - CU 101 University Success Skills
3 - ECON 211 Principles of Microeconomics
3 - EX ST 222 Statistics in Everyday Life
3 - PSYCH 201 Introduction to Psychology
3 - SOC 201 Introduction to Sociology
3 - Natural Science Requirement1
12

Sophomore Year
First Semester
1 - PRTM 198 Creative Inquiry—PRTM I
6 - PRTM 226 Found. of Mgt., Administration & Programming in Leisure Services
5 - PRTM 227 Provision of Leisure Service Exp.
3 - PRTM 229 Distributed Competency Integration
in PRTM
15

Second Semester
2 - PRTM 298 Creative Inquiry—PRTM II
3 - Arts and Humanities (Literature) Requirement1
9 - Concentration Requirement2
1 - Elective
15

Summer
1 - PRTM 206 Practicum I
1 - PRTM 207 Practicum II
2

Junior Year

First Semester
2 - PRTM 298 Creative Inquiry—PRTM III
1 - PRTM 414 Field Training I
12 - Concentration Requirement2
15

Second Semester
1 - PRTM 298 Creative Inquiry—PRTM IV
1 - Elective
15

Summer
1 - PRTM 405 Field Training II

Senior Year

First Semester
12 - Concentration Requirement2
12

Second Semester
6 - Concentration Requirement2
6 - Elective
12

122 Total Semester Hours

1See General Education Requirements. Six of these credit hours must also satisfy the Cross-Cultural Awareness and Science and Technology in Society requirements. See advisor.
2See advisor.

PARK CONSERVATION AREA MANAGEMENT CONCENTRATION

Students in Park Conservation Area Management (PCAM) prepare for work as park rangers, planners, educators, law enforcement officers, and administrators of our nation’s federal, state, and county public lands that hold unique natural, cultural, and historic resources. PCAM focuses on helping visitors enjoy and appreciate parklands while protecting those resources for future generations. Besides taking coursework in PRTM, many students choose to complete a minor field of study in forest resource management, wildlife and fisheries biology, history, or anthropology.

Freshman Year

First Semester
2 - CU 101 University Success Skills
6 - Social Science Requirement1
3 - Mathematics Requirement2
4 - Natural Science Requirement2

Second Semester
3 - ENGL 103 Accelerated Composition
1 - PRTM 200 Profession and Practice in PRTM
1 - PRTM 414 Field Training I
12 - Concentration Requirement2
15

Second Semester
2 - PRTM 298 Creative Inquiry—PRTM II
3 - Arts and Humanities (Literature) Requirement1
9 - Concentration Requirement2
1 - Elective
15

Summer
1 - PRTM 206 Practicum I
1 - PRTM 207 Practicum II
2

Sophomore Year

First Semester
1 - PRTM 198 Creative Inquiry—PRTM I
6 - PRTM 226 Found. of Mgt., Administration & Programming in Leisure Services
5 - PRTM 227 Provision of Leisure Service Exp.
3 - PRTM 229 Distributed Competency Integration
in PRTM
15

Second Semester
2 - PRTM 298 Creative Inquiry—PRTM III
1 - Elective
15

Summer
1 - PRTM 405 Field Training II

Senior Year

First Semester
12 - Concentration Requirement2
12

Second Semester
6 - Concentration Requirement2
6 - Elective
12

122 Total Semester Hours

1See General Education Requirements. Six of these credit hours must also satisfy the Cross-Cultural Awareness and Science and Technology in Society requirements. See advisor.
2See advisor.
**Summer**
6 - PRTM 405 Field Training II

**Senior Year**

<table>
<thead>
<tr>
<th>First Semester</th>
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122 Total Semester Hours

²See General Education Requirements. Six of these credit hours must also satisfy the Cross-Cultural Awareness and Science and Technology in Society requirements. See advisor.

**PROFESSIONAL GOLF MANAGEMENT CONCENTRATION**

The Professional Golf Management (PGM) Concentration provides a unique educational background for students who desire to become PGA professionals. Students obtain specialized knowledge and skills which prepare them to become leaders in the golf industry. The PGM Concentration combines academics, career training, and extensive internship experience to develop well-rounded, service-oriented professionals who can meet and respond to the personal as well as business management requirements of golf programs and facilities.

**Freshman Year**

<table>
<thead>
<tr>
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<th>3 - ENGL 103 Accelerated Composition</th>
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<tbody>
<tr>
<td></td>
<td>6 - Social Science Requirement²</td>
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<tr>
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<td>3 - Mathematics or Natural Science Requirement¹</td>
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<thead>
<tr>
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<tbody>
<tr>
<td>1 - PRTM 195 PGM Seminar I</td>
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<td>1 - PRTM 200 Profession and Practice in PRTM</td>
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<tr>
<td>2 - PRTM 220 Conceptual Foundations of PRTM</td>
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</tr>
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<td>3 - Arts and Humanities (Non-Lit.) Requirement¹</td>
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<td>3 - Mathematics or Natural Science Requirement¹</td>
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<td>3 - Oral Communication Requirement¹</td>
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**Sophomore Year**

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**Junior Year**

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**Senior Year**

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**Summer**

| 0 - CO-OP 105 Cooperative Education |
| 0                                  |

**Sophomore Year**

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<td>Arts and Humanities (Literature) Requirement¹</td>
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**Freshman Year**

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<th>2 - C U 101 University Success Skills</th>
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<tr>
<td>2 - PRTM 220 Conceptual Foundations of PRTM</td>
<td></td>
</tr>
<tr>
<td>3 - Arts and Humanities (Non-Lit.) Requirement¹</td>
<td></td>
</tr>
<tr>
<td>3 - Mathematics or Natural Science Requirement¹</td>
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<tr>
<td>3 - Oral Communication Requirement¹</td>
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**Sophomore Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>1 - PRTM 198 Creative Inquiry—PRTM I</th>
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</thead>
<tbody>
<tr>
<td>6</td>
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<td>PRTM 229 Distributed Competency Integration in PRTM</td>
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<tr>
<td>1</td>
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<table>
<thead>
<tr>
<th>Second Semester</th>
<th>12 - Concentration Requirement²</th>
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<tbody>
<tr>
<td>9</td>
<td>Concentration Requirement²</td>
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<td>3</td>
<td>Arts and Humanities (Literature) Requirement¹</td>
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**Summer**

| 1 - PRTM 206 Practicum I |
| 1 - PRTM 207 Practicum II |
| 2 |

**Junior Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>2 - PRTM 398 Creative Inquiry—PRTM III</th>
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<tbody>
<tr>
<td>1</td>
<td>PRTM 404 Field Training I</td>
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<tr>
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**Fifth Year**

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<tr>
<th>First Semester</th>
<th>1 - PRTM 495 PGM Seminar IV</th>
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<tbody>
<tr>
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<td>Concentration Requirement²</td>
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</tbody>
</table>

16

120 Total Semester Hours

²See General Education Requirements. Six of these credit hours must also satisfy the Cross-Cultural Awareness and Science and Technology in Society requirements. See advisor.

²See advisor.

**THERAPEUTIC RECREATION CONCENTRATION**

The Therapeutic Recreation (TR) Concentration prepares students for exciting careers working with people with disabilities in a variety of settings, including community-based recreation agencies, camps, children’s hospitals, psychiatric and physical rehabilitation hospitals, and assisted-living facilities, to name a few. Therapeutic Recreation consists of the delivery of recreation services designed to enhance participants leisure experiences, quality of life, and functional capabilities. Students who complete these requirements will be eligible to sit for an examination to become a Certified Therapeutic Recreation Specialist (CTRS).

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>First Semester</th>
<th>2 - CU 101 University Success Skills</th>
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</thead>
<tbody>
<tr>
<td>3</td>
<td>Mathematics Requirement²</td>
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</tr>
<tr>
<td>3</td>
<td>Natural Science Requirement¹</td>
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</tr>
<tr>
<td>4</td>
<td>Social Science Requirement²</td>
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<table>
<thead>
<tr>
<th>Second Semester</th>
<th>3 - ENGL 103 Accelerated Composition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - PRTM 200 Profession and Practice in PRTM</td>
<td></td>
</tr>
<tr>
<td>2 - PRTM 220 Conceptual Foundations of PRTM</td>
<td></td>
</tr>
<tr>
<td>3 - Arts and Humanities (Non-Lit.) Requirement¹</td>
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<tr>
<td>3 - Oral Communication Requirement¹</td>
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</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>1 - PRTM 198 Creative Inquiry—PRTM I</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>PRTM 226 Foundations of Management and Administration in PRTM</td>
</tr>
<tr>
<td>5</td>
<td>PRTM 227 Provision of Leisure Service Experiences</td>
</tr>
<tr>
<td>3</td>
<td>PRTM 229 Distributed Competency Integration in PRTM</td>
</tr>
<tr>
<td>1</td>
<td>PRTM 295 PGM Seminar II</td>
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<table>
<thead>
<tr>
<th>Second Semester</th>
<th>12 - Concentration Requirement²</th>
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<tbody>
<tr>
<td>9</td>
<td>Concentration Requirement²</td>
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<table>
<thead>
<tr>
<th>Summer</th>
<th>0 - CO-OP 105 Cooperative Education</th>
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<tbody>
<tr>
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</table>

**Junior Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>2 - PRTM 398 Creative Inquiry—PRTM III</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PRTM 404 Field Training I</td>
</tr>
<tr>
<td>12</td>
<td>Concentration Requirement²</td>
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</tbody>
</table>

15

**Summer**

| 1 - PRTM 206 Practicum I |
| 1 - PRTM 207 Practicum II |
| 2 |
Second Semester
1. PRTM 498 Creative Inquiry—PRTM IV  
12. Concentration Requirement
2. Elective  
15

Summer
6. PRTM 405 Field Training II

Senior Year
First Semester
12. Concentration Requirement
12

Second Semester
6. Concentration Requirement
6. Elective  
12

122 Total Semester Hours

Sophomore Year
First Semester
1. PRTM 198 Creative Inquiry—PRTM I  
6. PRTM 226 Foundations of Management and Administration in PRTM  
5. PRTM 227 Provision of Leisure Service Experiences  
3. PRTM 229 Distributed Competency Integration in PRTM  
15

Second Semester
2. PRTM 298 Creative Inquiry—PRTM II  
3. Arts and Humanities (Literature) Requirement
9. Concentration Requirement
1. Elective  
15

Summer
1. PRTM 206 Practicum I  
1. PRTM 207 Practicum II  
2

Junior Year
First Semester
2. PRTM 398 Creative Inquiry—PRTM III  
1. PRTM 404 Field Training I  
12. Concentration Requirement
15

Second Semester
1. PRTM 498 Creative Inquiry—PRTM IV  
12. Concentration Requirement
2. Elective  
15

Summer
6. PRTM 405 Field Training II

Senior Year
First Semester
12. Concentration Requirement
12

Second Semester
6. Concentration Requirement
6. Electives  
12

122 Total Semester Hours

TRAVEL AND TOURISM CONCENTRATION
The Travel and Tourism (T&T) Concentration prepares students for interesting and challenging careers working in one of the world’s most diverse and dynamic industries. Students in this concentration are introduced to issues pertaining to the management, planning, and promotion of places and events such as tourist attractions. The program is designed to provide an understanding of the linkages that exist between local communities, their populations, and various public, private, and special interest groups. Students in Travel and Tourism can pursue careers in private sector enterprises, government agencies, convention and visitor bureaus, as well as other tourism-affiliated organizations.

Freshman Year
First Semester
2. CU 101 University Success Skills  
3. Mathematics Requirement
4. Natural Science Requirement
6. Social Science Requirement
15

Second Semester
3. ENGL 103 Accelerated Composition  
1. PRTM 200 Profession and Practice in PRTM  
2. PRTM 220 Conceptual Foundations of PRTM  
3. Arts and Humanities (Non-Lit.) Requirement
3. Mathematics or Natural Science Requirement
3. Oral Communication Requirement
15

1See General Education Requirements. Six of these credit hours must also satisfy the Cross-Cultural Awareness and Science and Technology in Society requirements. See advisor.  
2See advisor.

1See General Education Requirements. Six of these credit hours must also satisfy the Cross-Cultural Awareness and Science and Technology in Society requirements. See advisor.  
2See advisor.
MINORS

Following are minors acceptable for students in the College of Health, Education and Human Development. Students cannot major and minor in the same field or acquire a minor that is not allowed by the degree program.

Accounting
Adult/Extension Education
Aerospace Studies
Agricultural Business Management
Agricultural Mechanization and Business
American Sign Language Studies
Animal and Veterinary Sciences
Anthropology
Architecture
Art
Athletic Leadership
Biochemistry
Biological Sciences—not open to Science Teaching—Biological Sciences or Secondary Education—Biological Sciences majors
Business Administration
Chemistry
Cluster
Communication Studies
Computer Science
Crop and Soil Environmental Science
Digital Production Arts
East Asian Studies
Economics—not open to Secondary Education: Social Studies (Economics) majors
Education
English
Entomology
Entrepreneurship
Environmental Engineering
Environmental Science and Policy
Equine Business
Film Studies
Financial Management
Food Science
Forest Resource Management
Genetics
Geography
Geology
Global Politics
Great Works
History—not open to Secondary Education: Social Studies (History) majors
Horticulture
Legal Studies
Management
Management Information Systems
Mathematical Sciences—not open to Mathematics Teaching or Secondary Education—Mathematics majors
Microbiology
Military Leadership
Modern Languages—not open to Secondary Education—Modern Languages majors
Music
Natural Resource Economics
Nonprofit Leadership
Packaging Science
Pan African Studies
Park and Protected Area Management
Philosophy
Physics—not open to Science Teaching—Physical Sciences majors
Plant Pathology
Political Science—not open to Secondary Education: Social Studies (Political Science) majors
Psychology—not open to Secondary Education: Social Studies (Psychology) majors
Public Policy
Religion
Russian Area Studies
Science and Technology in Society
Screenwriting
Sociology—not open to Secondary Education: Social Studies (Sociology) majors
Spanish-American Area Studies
Theatre
Therapeutic Recreation
Travel and Tourism
Turfgrass
Urban Forestry
Wildlife and Fisheries Biology
Women's Studies
Writing

See pages 38-41 for details.