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 services prepares students to be professional 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) 656-0343.

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 consensus-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: Elementary Education, 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 (SLED) and a personal 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 on 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 60 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 average 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 average of 2.5. Students with a grade-point average 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 4000-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 average 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 43 for the curriculum.

EARLY CHILDHOOD EDUCATION

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

Freshman Year
First Semester
1 - ED 1050 Orientation to Education
3 - HIST 1730 The West and the World II
3 - MTHS 1150 Contemporary Mathematics for Elementary School Teachers I
3 - Foreign Language Requirement 1
4 - Natural Science Requirement 2
15

Second Semester
3 - COMM 1500 Intro. to Human Comm. or 3 - COMM 2500 Public Speaking
3 - ENGL 1030 Accelerated Composition
3 - MTHS 1160 Contemporary Mathematics for Elementary School Teachers II
3 - Foreign Language Requirement 1
3 - Elective
15

Sophomore Year
First Semester
3 - GEOG 1030 World Regional Geography
3 - MTHS 2160 Geometry for Elementary School Teachers
3 - PSYC 2010 Introduction to Psychology
3 - Arts and Humanities (Literature) Requirement 2
4 - Natural Science Requirement 2
16

Second Semester
3 - EDEC 2200 Family, School, and Community Relationships
3 - EDF 3020 Educational Psychology
1 - EDF (CTE) 3150 Technology Skills for Learning
3 - EDF 3340 Child Growth and Development
3 - Arts and Humanities (Non-Lit) Requirement 3
3 - Science and Tech. in Society Requirement 4
15

Junior Year
First Semester
3 - EDEC 3360 Social Development of Infants and Young Children
3 - EDEL 3100 Arts in the Elementary School
3 - EDEL 3210 Physical Education Methods and Content for Classroom Teachers
3 - EDSP 3700 Introduction to Special Education
3 - Elective
15

Second Semester
3 - EDEC 3000 Found. of Early Childhood Educat. 6
3 - EDEC 4200 Early Childhood Science 6
3 - EDEC 4500 Early Childhood Curriculum 6
3 - EDF 3010 Principles of American Education 1
3 - EDLT 4580 Early Literacy: Birth–Kindergarten 6
3 - EDSP 3750 Early Intervention for Infants and Children with Special Needs 6
18

Senior Year
First Semester
3 - EDEC 4000 Observation and Assessment in Clinical Settings 6
3 - EDEC 4300 Early Childhood Mathematics 2
3 - EDEC 4400 Integrated Language Arts and Social Studies in Primary Schools 1
3 - EDEC 4600 Critical Issues in Early Childhood Education 1
1 - EDF 4250 Instructional Technology Strategies 2
3 - EDLT 4590 Teaching Reading in the Early Grades: K–3 2
16

Second Semester
9 - EDEC 4840 Directed Teaching in Early Childhood Education 4
3 - EDEC 4850 Early Childhood Capstone 9
12

123 Total Semester Hours

Two semesters (through 2020) in a modern foreign language are required. Spanish is recommended.
1 - One biological science and one physical science course, each with laboratory, must be selected from General Education Requirements per advisor.
2 - Must be taken the fall semester of the junior year.
4 - Must be taken the spring semester of the junior year.
6 - One General Education Requirement.
8 - Must be taken the fall semester of the senior year.
10 - Must be taken the spring semester of the senior year.

ELEMENTARY EDUCATION

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

LITERATURE, CULTURE AND DIVERSITY EMPHASIS AREA

Freshman Year
First Semester
4 - BIOL 1090 Introduction to Life Science
2 - ED 1050 Orientation to Education
3 - GEOG 1030 World Regional Geography
3 - MTHS 1150 Contemporary Mathematics for Elementary School Teachers I
3 - Foreign Language Requirement 1
15

Second Semester
3 - ENGL 1010 Accelerated Composition
3 - HIST 1010 History of the United States or 3 - HIST 1020 History of the United States
3 - MTHS 1160 Contemporary Mathematics for Elementary School Teachers II
4 - PHSC 1170 Intro. to Chemistry and Earth Science for Elementary Education Majors
3 - Foreign Language Requirement 1
16

Sophomore Year
First Semester
3 - COMM 1500 Intro. to Human Comm. or 3 - COMM 2500 Public Speaking
3 - EDF 3010 Principles of American Education
3 - MTHS 2160 Geometry for Elementary School Teachers
4 - PHSC 1180 Intro. to Physics, Astronomy and Earth Science for Elementary Education Majors
3 - Arts and Humanities (Literature) Requirement 2
16

Second Semester
3 - EDEL 3100 Arts in the Elementary School
3 - EDF 3020 Educational Psychology
3 - EDF 3340 Child Growth and Development
3 - EDSP 3750 Introduction to Special Education
3 - ENGL 3850 Children’s Literature
3 - STS 1010 Survey of Sci. and Tech. in Society or 3 - STS 1020 Ideas, Machinery and Society
18

Junior Year
First Semester
3 - EDEL 3210 Physical Education Methods and Content for Classroom Teachers
3 - EDF 3080 Classroom Assessment
3 - EDF 4800 Digital Technology in the 21st Century Classroom
3 - EDLT 4600 Teaching Reading in the Elementary Grades: 2–6
3 - MTHS 3160 Problem Solving for Math. Teachers
15

Second Semester
3 - EDEL 4590 Social Justice and 21st Cen. Learners
3 - EDEL 4520 Elem. Methods in Math. Teaching
3 - EDEL 4570 Prin. and Strat. for Teaching Eng.
3 - EDEL 4580 Children of Other Lang. in Elem. Classrooms
3 - EDLT 4620 Reading and Responding to Literature in the Elementary School
3 - EDLT 4630 Teaching Reading and Writing to English Language Learners
15

Senior Year
(Courses must be taken as listed in both semesters.)
First Semester
3 - EDEL 4010 Elementary Field Experience
3 - EDEL 4510 Elem. Methods in Science Teaching
3 - EDEL 4870 Elementary Methods in Social Studies Teaching
3 - EDEL 4880 Elementary Methods in Language Arts Teaching
3 - EDLT 4610 Content Area Reading: Grades 2–6
15
Second Semester
3 - EDEL 4820 Capstone Sem. in Elem. Teaching
9 - EDEL 4830 Directed Teaching in the Elementary School
12
122 Total Semester Hours

Two semesters (through 2020) in the same modern foreign language (including American Sign Language) are required.

1Select from courses in ASTR, BIOL, CH, GEOL, PHYS.
2Select from ENGL 2120, 2130, 2140 or 2150
3See General Education Requirements.
4These courses are required for certification and must be completed with a grade of B or higher.
5Select from courses in ASTR, BIOL, CH, GEOG, ENSP, ENT, NR, GEN, FNR, GEN, GEO or PHYS courses chosen in consultation with advisor.

SECOND SEMESTER

Sophomore Year
First Semester
15
15
Second Semester
3 - MTHS 3150 Advance Topic in Mathematics for Elementary Teachers
3 - MTHS 3160 Problem Solving for Math. Teachers
3 - EDEL 4570 Advance Topic in Mathematics for Elementary Teachers

Senior Year
(Courses must be taken as listed in both semesters.)
First Semester
3 - EDEL 4520 Elem. Methods in Math. Teaching
3 - ENSP 2000 Introduction to Environmental Science
3 - EDLT 4620 Reading and Responding to Literature in the Elementary School
3 - MTHS 3150 Advance Topic in Mathematics for Elementary Teachers
3 - Science Content Requirement
15
Second Semester
3 - EDEL 4820 Capstone Sem. in Elem. Teaching
3 - EDEL 4830 Directed Teaching in the Elem. Sch.
12
122 Total Semester Hours

Two semesters (through 2020) in the same modern foreign language (including American Sign Language) are required.

1Select from courses in ASTR, BIOL, CH, GEOG, ENSP, ENT, NR, GEN, FNR, GEN, GEO or PHYS courses chosen in consultation with advisor.

MATHMATICS TEACHING

Bachelor of Science
The program leading to a Bachelor of Science degree in Mathematics Teaching is designed for students planning to teach mathematics on the secondary school level (grades 9–12). (Note: The program leading to a Bachelor of Arts degree in Mathematics Teaching is designed for students planning to teach mathematics on the secondary school level (grades 9–12).) To be recommended for certification, students must earn a grade of C or higher in all mathematics content courses.

Freshman Year
First Semester
3 - CH 1050 Chemistry in Context I
2 - ED 1050 Orientation to Education
4 - MATH 1060 Calculus of One Variable I
3 - PHIL 1020 Introduction to Logic
3 - Cross-Cultural Awareness Requirement
15
Second Semester
3 - CH 1060 Chemistry in Context II
3 - ENGL 1030 Accelerated Composition
4 - MATH 1080 Calculus of One Variable II
3 - MATH 1190 Intro to Discrete Methods or MATH 1290 Prob. Solving in Discrete Math.
3 - Science Requirement
17

Second Semester
3 - ECON 2000 Economic Concepts or
3 - ECON 2110 Principles of Microeconomics
3 - EDF 3020 Educational Psychology
1 - EDF (CTE) 3150 Technology Skills for Learning
4 - MTHS 2080 Intro. to Ordinary Diff. Equations
3 - MTHS 3110 Linear Algebra
3 - PHYS 2210 Physics with Calculus II
1 - PHYS 2230 Physics Lab. II
18

Junior Year
First Semester
3 - EDF 3010 Principles of American Education
3 - EDSC 2620 OPracticum in Secondary Math.
3 - MTHS 3020 Statistics for Science and Engr.
3 - SOC 2010 Introduction to Sociology or
3 - SOC 2020 Social Problems
3 - Science Requirement
15
Second Semester
3 - EDF 3350 Adolescent Growth and Development
3 - EDSP 3700 Introduction to Special Education
3 - EDSC 4370 Technology in Secondary Math.
3 - MTHS 3080 College Geometry
3 - MTHS 4120 Introduction to Modern Algebra
15

Senior Year
First Semester
1 - EDSC 4250 Instructional Technology Strategies
1 - EDSC 4260 Teaching Secondary Mathematics
3 - EDLT 4980 Secondary Content Area Reading
4 - MTHS 4000 Theory of Probability or
3 - MTHS 4050 Stat. Theory and Methods II
3 - MTHS 4080 Topics in Geometry
3 - MTHS 4530 Advanced Calculus I
16
Second Semester
9 - EDSC 4460 Teaching Internship in Secondary Mathematics
12
126 Total Semester Hours

1Select from courses in ASTR, BIOL, CH, GEOG, PHYS.
2ENG1 2120, 2130, 2140, or 2150
3EDFT 4250, EDSC 4260, and EDLT 4980 must be taken concurrently. Offered fall semester only.
4EDSC 4460 and 4560 must be taken concurrently. Offered spring semester only.
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 1030 General Biology I and 1 - BIOL 1050 General Biology Lab, I or 5 - BIOL 1100 Principles of Biology 4 - CH 1010 General Chemistry 2 - ED 1050 Orientation to Education 4 - MTHS 1060 Calculus of One Variable I 3 - Foreign Language Requirement 1
17-18

Second Semester
3 - BIOL 1040 General Biology II and 1 - BIOL 1060 General Biology Lab, II or 5 - BIOL 1100 Principles of Biology II 4 - CH 1020 General Chemistry 3 - ENGL 1030 Accelerated Composition 3 - Foreign Language Requirement 1 3 - Statistics Requirement 2 17-18

Sophomore Year

First Semester
4 - CH 2010 Survey of Organic Chemistry 1 - BIOL 1060 General Biology Lab. II or 5 - BIOL 1100 Principles of Biology 3 - ED 3530 Adolescent Growth and Development 3 - ENGL 3150 Scientific Writing and Comm. 4 - Animal or Plant Diversity Requirement 1 3 - Ecology Requirement 1 18

Second Semester
3 - BIOL 3350 Evolutionary Biology 3 - BIOL 4820 Lab. Techniques for Teaching Sci. 3 - ED 3530 Adolescent Growth and Development 3 - ENGL 3150 Scientific Writing and Comm. 4 - Animal or Plant Diversity Requirement 1 16

Senior Year

First Semester
3 - COMM 1500 Intro. to Human Comm. or 3 - COMM 2500 Public Speaking 3 - EDSP 3700 Introduction to Special Education 3 - EDSC 4270 Teaching Secondary Science 1 3 - EDLT 4980 Secondary Content Area Reading 3 - GEOG 1030 World Regional Geography 3 - Arts and Humanities (Non-Lit.) Requirement 1 18

Second Semester
9 - EDSC 4470 Teaching Internship in Sec. Sci. 9 - EDSC 4570 Sec. Science Capstone Seminar 12 130–132 Total Semester Hours
1Two semesters through 2020 in any modern foreign language (including American Sign Language) are required.
2One lecture course must be completed for both biochemistry (BCHM 3010 or BCHM 3050) and for genetics (GEN 3000 or GEN 3020).
3One general and associated laboratory must be completed for both animal diversity (BIOL 3020/3060 or BIOL 3030/3070) and/or for plant diversity (BIOL 3040/3080, BIOL 3120, or BIOL 4060/4070.
4One lecture and associated laboratory must be completed for both plant diversity (BIOL 3020/3060 or BIOL 3030/3070) and/or for plant diversity (BIOL 3040/3080, BIOL 3120, or BIOL 4060/4070).
5One lecture and associated laboratory must be completed for both plant diversity (BIOL 3020/3060 or BIOL 3030/3070) and/or for plant diversity (BIOL 3040/3080, BIOL 3120, or BIOL 4060/4070).
6One lecture course must be completed for both biochemistry (BCHM 3010 or BCHM 3050) and for genetics (GEN 3000 or GEN 3020).
7To be taken the semester prior to EDSC 4470 and 4570. EDSC 4270 and EDLT 4980 must be taken concurrently.
8See General Education Requirements.
9EDSC 4470 and 4570 must be taken concurrently. Offered spring semester only.

TEACHING AREA: BIOLOGICAL SCIENCES

Bachelor of Science

Freshman Year

First Semester
3 - BIOL 1030 General Biology I and 1 - BIOL 1050 General Biology Lab, I or 5 - BIOL 1100 Principles of Biology 4 - CH 1010 General Chemistry 2 - ED 1050 Orientation to Education 4 - MTHS 1060 Calculus of One Variable I 15-16

Second Semester
3 - BIOL 1040 General Biology II and 1 - BIOL 1060 General Biology Lab. II or 5 - BIOL 1100 Principles of Biology II 4 - CH 1020 General Chemistry 2 - ED 1050 Orientation to Education 3 - ENGL 3150 Scientific Writing and Comm. 3 - Statistics Requirement 1 16-17

Sophomore Year

First Semester
4 - CH 2010 Survey of Organic Chemistry 3 - ED 3530 Adolescent Growth and Development 3 - HIST 1220 History, Technology, and Society or 3 - HIST 1240 Environmental History Survey 3 - PHYS 2070 General Physics I 1 - PHYS 2090 General Physics I Lab. 3 - Biochemistry or Genetics Requirement 2 17

Second Semester
4 - BIOL 3350 Evolutionary Biology 3 - BIOL 4820 Lab. Techniques for Teaching Sci. 3 - CTE (CTE) 3150 Technology Skills for Learning 3 - ED 1050 Orientation to Education 4 - PHYS 2080 General Physics II 1 - PHYS 2100 General Physics II Lab. 3 - Biochemistry or Genetics Requirement 2 15

Junior Year

First Semester
3 - BIOL 4610 Cell Biology 2 - BIOL 4620 Cell Biology Laboratory 3 - EDSC 3270 Practicum in Secondary Science 3 - Ecology Requirement 1 4 - Plant or Animal Diversity Requirement 4 15

Second Semester
3 - BIOL 3350 Evolutionary Biology 3 - BIOL 4820 Lab. Techniques for Teaching Sci. 3 - ED 3530 Adolescent Growth and Development 3 - Arts and Humanities (Literature) Requirement 1 4 - Plant or Animal Diversity Requirement 4 16

Senior Year

First Semester
3 - BIOL 4470 Teaching Internship in Sec. Sci. 9 - EDSC 4470 Teaching Internship in Sec. Sci. 7 12 121–123 Total Semester Hours
1EXST 3010, MTHS 2030, 3010, or 3090
2One lecture course must be completed for both biochemistry (BCHM 3010 or BCHM 3050) and for genetics (GEN 3000 or GEN 3020).
3One general and associated laboratory must be completed for both animal diversity (BIOL 3020/3060 or BIOL 3030/3070) and/or for plant diversity (BIOL 3040/3080, BIOL 3120, or BIOL 4060/4070).
4One lecture and associated laboratory must be completed for both plant diversity (BIOL 3020/3060 or BIOL 3030/3070) and/or for plant diversity (BIOL 3040/3080, BIOL 3120, or BIOL 4060/4070).
5One lecture course must be completed for both biochemistry (BCHM 3010 or BCHM 3050) and for genetics (GEN 3000 or GEN 3020).
6One lecture course must be completed for both biochemistry (BCHM 3010 or BCHM 3050) and for genetics (GEN 3000 or GEN 3020).
7To be taken the semester prior to EDSC 4470 and 4570. EDSC 4270 and EDLT 4980 must be taken concurrently.
8See General Education Requirements.
9EDSC 4470 and 4570 must be taken concurrently. Offered spring semester only.

1Two semesters through 2020 in any modern foreign language (including American Sign Language) are required.
3One lecture course must be completed for both biochemistry (BCHM 3010 or BCHM 3050) and for genetics (GEN 3000 or GEN 3020).
5One lecture and associated laboratory must be completed for both plant diversity (BIOL 3020/3060 or BIOL 3030/3070) and/or for plant diversity (BIOL 3040/3080, BIOL 3120, or BIOL 4060/4070).
6One lecture course must be completed for both biochemistry (BCHM 3010 or BCHM 3050) and for genetics (GEN 3000 or GEN 3020).
7To be taken the semester prior to EDSC 4470 and 4570. EDSC 4270 and EDLT 4980 must be taken concurrently.
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<td>CH 1010 General Chemistry</td>
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<td>CH 1410 Chemistry Orientation</td>
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<td>Sophomore Year</td>
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<td>Junior Year</td>
<td>CH 2050 Intro. to Inorganic Chemistry</td>
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<td>First Semester</td>
<td>CH 2280 Organic Chemistry Laboratory</td>
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<td>EDF 3010 Principles of American Education</td>
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<td>PHYS 2220 Physics with Calculus III</td>
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### TEACHING AREA: CHEMISTRY

#### Bachelor of Arts

#### Freshman Year

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<td>EDSP 3700 Introduction to Special Education</td>
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<td>EDSC 4270 Teaching Secondary Science</td>
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<td>EDLT 4980 Secondary Content Area Reading</td>
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<td>GEOG 1030 World Regional Geography</td>
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#### Second Semester

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<td>CH 4520 Chemistry Communication II</td>
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<td>EDSC 4470 Teaching Internship in Sec. Sci.</td>
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#### Senior Year

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<td>CH 3170 Quantitative Analysis</td>
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<td>ENGL 2120, 2130, 2140, or 2150</td>
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<td>EDSC 4470 and 4570 must be taken concurrently. Offered spring semester only.</td>
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### TEACHING AREA: PHYSICAL SCIENCES

#### Bachelor of Science

#### Freshman Year

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### TEACHING AREA: PHYSICS

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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.

Sophomore Year
First Semester
5 - BIOL 1100 Principles of Biology I or
3 - BIOL 1030 General Biology I and
1 - BIOL 1050 General Biology I Lab.
1 - EDF 3010 Principles of American Education
1 - EDF 3150 Tech. Skills for Learning
4 - MTHS 2080 Intro. to Ordinary Diff. Equations
3 - Foreign Language Requirement2
15

Second Semester
5 - BIOL 1110 Principles of Biology II or
3 - BIOL 1040 General Biology II and
1 - BIOL 1060 General Biology II Lab.
1 - EDF 3010 Principles of American Education
1 - EDF 3150 Tech. Skills for Learning
4 - MTHS 2080 Intro. to Ordinary Diff. Equations
3 - Social Science Requirement2
15-16

Junior Year
First Semester
3 - ASTR 101 Solar System Astronomy
3 - CH 3300 Intro. to Physical Chemistry or
3 - CH 3310 Physical Chemistry
3 - EDSC 4270 Practicum in Secondary Science
3 - PHYS 3210 Mechanics I
3 - Foreign Language Requirement2
3 - Social Science Requirement2
15

Second Semester
3 - BIOL 4820 Lab. Techniques for Teaching Sci.
3 - ENGL 3250 Experimental Physics I
3 - PHYS 3210 Mechanics I
2 - ENGL 3570 Introduction to the Methods of Theoretical Physics
3 - Foreign Language Requirement2
3 - Social Science Requirement2
15

Senior Year
First Semester
3 - EDF 3010 Principles of American Education
3 - EDF 3020 Educational Psychology
3 - ENGL 3100 World Literature
3 - HIST 3730 The West and the World II
3 - History of England to 1688
3 - Natural Science Requirement2
16

Sophomore Year
First Semester
3 - EDF 3240 Teaching Internship in Secondary Education
3 - EDSC 4440 Teaching Intern. in Secondary Education
3 - EDSC 4450 Tech. Skills for Learning
3 - EDSC 4490 Secondary Content Area Reading
3 - ENGL 3860 Adolescent Literature
3 - English Literature Survey Requirement5
3 - HIST 3600 American Social History or
3 - History of England to 1688
3 - HIST 3630 Britain Since 1688 or
3 - History of England to 1688
3 - Fine Arts Requirement4
14

Second Semester
3 - EDSC 3240 Pract. in Teaching Secondary Engl.
3 - ENGL 3000 Professional Development
3 - ENGL 4110 Shakespeare
3 - English Literature Survey Requirement5
3 - Literature Emphasis Area Requirement9
3 - Literature Emphasis Area Diversity Req.10
17

Second Semester
3 - English Literature Survey Requirement5
3 - Literary Theory Requirement11
3 - Literature Emphasis Area Requirement12
3 - Literature Emphasis Area Requirement13
3 - Social Science Requirement2
15

Senior Year
First Semester
3 - EDSP 3700 Introduction to Special Education14
3 - EDSC 4240 Teaching Secondary English14
3 - ENGL 4850 Composition for Teachers14
3 - ENGL 4960 English Senior Seminar
3 - ENGL 4980 Secondary Content Area Reading14
15

Second Semester
1 - EDF 4250 Instructional Technology Strategies15
9 - EDF 4440 Teaching Intern. in Secondary English15
3 - EDSC 4540 Secondary English Capstone Sem.15
13

121 Total Semester Hours
1Two semesters (through 2020) in the same modern foreign language are required.
2See General Education Requirements.
3Any other course related to science or mathematics that satisfies the General Education STS requirement may be substituted.
4Select from ENGL 4150, 4160, 4170, 4180, 4210, 4250, 4260, or 4630.
5Students must complete 45 hours of field experience in a public school.
6ENGL 3570 is required.
7ENGL 3570 is required.
8This course qualifies as a Literature Emphasis Area Requirement for a BA in English.
9Two semesters (through 2020) in any modern foreign language are required.
10Students must also satisfy the Cross-Cultural Awareness and Science and Technology in Society General Education Requirements.
11Two semesters (through 2020) in any modern foreign language are required.
12ENGL 3570 is required.
13Students must complete 45 hours of field experience in a public school.
14Select from ENGL 4350, 4360, 4400, or 4420, other course approved by the department.
15Select from ENGL 4350, 4360, 4400, or 4420, other course approved by the department.
16Select from ENGL 3000, 3010, 3020, or 4000.
17Select from ENGL 4030, 4070, 4080, 4100, 4110, 4200, 4290, 4440, or 4630.
18Select from ENGL 3530, 3800, 4900, (HUM) 4560, 4820, or 4830.
19Select from ENGL 4350, 4360, or 4400, or other course approved by the department.
20Select from ENGL 4150, 4160, 4170, 4180, 4210, 4250, 4260, or 4640.
21Select from ENGL 4280, (THEA) 4300, 4310, 4320, 4330, 4340, 4550, or 465.
22EDSP 3700, EDSC 4240, ENGL (EDSSEC) 4950, and EDLT 4980 must be taken concurrently during fall semester of senior year. Students must also enroll in the laboratory sections of EDSC 4240 and EDLT 4980.
23EDF 4250, EDSC 4440, and 4540 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 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
2 - ED 1050 Orientation to Education
3 - ENGL 1030 Accelerated Composition
3 - MTHS 1060 Calculus of One Variable I
3 - Foreign Language Requirement
4 - Natural Science Requirement
16

Second Semester
4 - MTHS 1080 Calculus of One Variable II
3 - MTHS 1190 Intro to Discrete Methods or
3 - MTHS 1290 Problem Solving in Discrete Math.
3 - PHIL 1020 Introduction to Logic
3 - PHYS 1220 Physics with Calculus I
1 - PHYS 1240 Physics Laboratory I
3 - Foreign Language Requirement
17

Sophomore Year

First Semester
3 - ECON 2000 Economic Concepts or
3 - ECON 2110 Principles of Microeconomics
3 - EDSC 2260 A Prof. Approach to Sec. Algebra
3 - HIST 1020 History of the United States
4 - MTHS 2060 Calculus of Several Variables
1 - MTHS 2500 Intro. to Mathematical Sciences
3 - Computer Science Requirement
17

Second Semester
3 - EDF 3020 Educational Psychology
1 - EDF (CTE) 3150 Technology Skills for Learning
4 - MTHS 2080 Intro. to Ordinary Diff. Equations
3 - MTHS 3110 Linear Algebra
3 - Arts and Humanities (Literature) Requirement or
3 - Science and Tech. in Society Requirement
17

Junior Year

First Semester
3 - EDF 3010 Principles of American Education
3 - EDSC 3260 Practicum in Secondary Math.
3 - MTHS 3020 Statistics for Science and Engr.
3 - MTHS 4000 Theory of Probability
3 - Cross-Cultural Awareness Requirement
15

Second Semester
3 - EDF 3350 Adolescent Growth and Development
3 - EDSP 3700 Introduction to Special Education
3 - EDSC 4370 Technology in Secondary Math.
3 - MTHS 3080 College Geometry
3 - MTHS 4120 Introduction to Modern Algebra
15

Senior Year

First Semester
3 - COMM 2500 Public Speaking
1 - EDF 4250 Instructional Technology Strategies
3 - EDLT 4980 Secondary Content Area Reading
3 - EDSC 4260 Teaching Secondary Mathematics
3 - MTHS 4080 Topics in Geometry
3 - MTHS 4530 Advanced Calculus I
16

Second Semester
9 - EDSC 4460 Teaching Internship in Secondary Mathematics
12

125 Total Semester Hours

TEACHING AREA: SOCIAL STUDIES (HISTORY)

The Bachelor of Arts Degree in Secondary Education—Social Studies (History) offers a double major in Secondary Education—Social Studies (History) and History.

Freshman Year

First Semester
3 - EDF 3020 Educational Psychology
3 - EDF (CTE) 3150 Technology Skills for Learning
4 - MTHS 2080 Intro. to Ordinary Diff. Equations
3 - MTHS 3110 Linear Algebra
3 - Arts and Humanities (Literature) Requirement or
3 - Science and Tech. in Society Requirement
17

Second Semester
3 - ANTH 2010 Introduction to Anthropology
3 - BIOL 2000 Biology in the News
3 - ENGL 2140 American Literature
3 - GEOG 1010 Introduction to Geography
3 - PSYC 2010 Introduction to Psychology
3 - Foreign Language Requirement
15

Second Semester
9 - EDSC 4480 Teaching Internship in Secondary Social Studies
3 - EDSC 4580 Secondary Social Studies Capstone Seminar
12

129 Total Semester Hours

Sophomore Year

First Semester
3 - ECON 2000 Economic Concepts
3 - EDF 3020 Educational Psychology
3 - HIST 1010 History of the United States
3 - HIST 1720 The West and the World I
3 - PO SC 1010 American National Government
15

Second Semester
1 - EDF (CTE) 3150 Technology Skills for Learning
3 - HIST 1020 History of the United States
3 - HIST 1730 The West and the World II
4 - HIST 2990 Seminar: The Historian’s Craft
3 - Advanced Humanities Requirement
3 - Arts and Humanities (Non-Lit.) Requirement
17

Junior Year

First Semester
3 - EDF (HIST) 3200 History of U.S. Public Educ.
3 - EDF 3350 Adolescent Growth and Development
3 - EDSC 3280 Practicum in Secondary Social Studies
9 - Teaching Major
18

Second Semester
3 - SOC 2100 Introduction to Sociology
3 - Advanced Humanities Requirement
3 - Arts and Humanities (Literature) Requirement
9 - Teaching Major
18

Senior Year

First Semester
1 - EDF 4250 Instructional Technology Strategies
3 - EDSP 3700 Introduction to Special Education
3 - EDSC 4280 Teaching Secondary Social Studies
3 - EDLT 4980 Secondary Content Area Reading
3 - HIST 4900 Senior Seminar
3 - Advanced Humanities Requirement
16

Second Semester
9 - EDSC 4480 Teaching Internship in Secondary Social Studies
3 - EDSC 4580 Secondary Social Studies Capstone Seminar
15

129 Total Semester Hours

1Two semesters (through 2020) in any modern foreign language (including American Sign Language) are required.

2See General Education Requirements.

3Any other course related to science or mathematics that satisfies the General Education STS requirement may be substituted.

4Select from AAH 2100, MUSC 2100, THEA 2100, or any AAH, COMM (except 3640, 3680), ENGL (except 3040, 3120, 3140, 3160, 3310, 3350, 4850, 4900, 4950), HUM, MUSC, PHIL, REL, THEA (except 3770, 4870, 4970), WS; or foreign language course numbered 3000 or higher.

See advisor. Students must complete a minimum of three hours of United States history and European history, and six hours of non-Western history selected from 3000- or 4000-level courses. At least one course must be at the 4000 level.

6EDSC 4480 and 4580 must be taken concurrently in the spring semester of the senior year.

7EDSC 4460 and 4560 must be taken concurrently. Offered spring semester only.
SPECIAL EDUCATION

Bachelor of Arts
The Bachelor of Arts degree in Special Education prepares students to teach individuals with mild disabilities in grades P-12. The curriculum is designed to meet the competencies outlined by the Council for Exceptional Children for beginning special education teachers. Students completing the program receive instruction and practical experiences that lead to Multi-Categorical Special Education Certification in South Carolina.

Freshman Year
First Semester
2 - ED 1050 Orientation to Education
3 - HIST 1240 Environmental History Survey or HIST 1220 History, Technology, and Society
3 - MATH 1150 Contemporary Mathematics for Elementary School Teachers I
3 - Foreign Language Requirement
4 - Natural Science Requirement
15

Second Semester
3 - ENGL 1030 Accelerated Composition
3 - GEOG 1030 World Regional Geography
3 - MATH 1160 Contemporary Mathematics for Elementary School Teachers II
3 - Foreign Language Requirement
4 - Natural Science Requirement
16

Sophomore Year
First Semester
3 - EDF 3010 Principles of American Education
3 - EDS 3700 Introduction to Special Education
3 - MATH 2160 Geometry for Elementary School Teachers
3 - Arts and Humanities (Literature) Requirement
4 - Natural Science Requirement
16

Second Semester
3 - COMM 1500 Intro. to Human Comm. or COMM 2500 Public Speaking
3 - EDF 3020 Educational Psychology
3 - EDF 3340 Child Growth and Development or EDF 3350 Adolescent Growth and Dev.
3 - Arts and Humanities (Non-Lit.) Requirement
3 - History Requirement
15

Junior Year
First Semester
3 - EDEL 3100 Arts in the Elementary School
3 - EDT 4600 Teaching Reading in the Elementary Grades: 2-6
3 - EDT 4800 Foundations of Digital Media and Learning
3 - EDS 3720 Char. and Instruction of Individuals with Learning Disabilities
3 - EDS 3740 Char. and Strat. for Individuals with Emotional/Behavioral Disorders
15

Second Semester
3 - EDEL 4510 Elem. Meth. in Science Teaching
3 - EDEL 4870 Elementary Methods in Social Studies Teaching
3 - EDS 3730 Characteristics and Instruction of Individuals with Intellectual Disabilities and Autism
3 - EDS 3750 Early Intervention Strategies for Young Children with Special Needs
3 - EDS 4910 Educational Assessment of Individuals with Disabilities
15

Senior Year
First Semester
3 - EDS 4920 Mathematics Instruction for Individuals with Mild Disabilities
3 - EDS 4930 Classroom and Behavior Management for Special Educators
3 - EDS 4940 Teaching Reading to Students with Mild Disabilities
3 - EDS 4960 Special Education Field Experience
3 - EDS 4970 Secondary Methods for Individuals with Disabilities
15

Second Semester
3 - EDS 4950 Communication and Collaboration in Special Education
12 - EDS 4980 Directed Teaching in Special Ed.
15
122 Total Semester Hours

*Two semester (through 2020) in the same modern foreign language (including American Sign Language) are required. See General Education Requirements. Eight credit hours must be in a sequence. Biological and physical sciences must be represented. PHSC 1070, 1080, and BIOL 1090 are recommended.

**See General Education Requirements. HIST 1030, 1050, 1170, or 1190.

**EDT 4600 and EDS 3720 and 3740 must be taken concurrently during the fall semester of junior year.

**EDL 3760 and 3780, EDS 3730, 3750, and 4910, and EDS 4600 must be taken concurrently during the spring semester of the junior year.

**EDS 4920, 4930, 4940, 4960, and 4970 must be taken concurrently during the fall semester of the senior year.

**EDS 4950 and 4980 must be taken concurrently during the spring semester of the senior year.

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/medical related sales, health fitness organizations, and community and nonprofit health agencies.

Plans of study can be arranged in health promotion and education, 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 68-69).

When space is available, students with fewer than 50 credit hours earned may apply to change majors into Health Science with a minimum cumulative grade-point average 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 average of 2.5
- Submission of a 1-3-page document detailing why the applicant desires to major in Health Science and how this major would support his/her career goals

Additional information is available at www.ched.clemson.edu/PublicHealth/index.htm.

HEALTH PROMOTION AND EDUCATION CONCENTRATION

Freshman Year
First Semester
3 - BIOL 1030 General Biology I and 3 - BIOL 1050 General Biology Lab. I or 5 - BIOL 1100 Principles of Biology I 3 - HLTH 2020 Introduction to Public Health 3 - PSYC 2010 Introduction to Psychology 3 - SOC 2010 Introduction to Sociology 1 - Elective 14-15

Second Semester
3 - ENGL 1030 Accelerated Composition 3 - HLTH 2030 Overview of Health Care Systems 3 - MATH 100 Principles of Mathematics 3 - Phys Ed 110 General Physical Education 3 - HIST 1010, 1020, 1720, 1730, or 1930. 12 - Elective 16-17

Sophomore Year
First Semester
4 - CH 1010 General Chemistry or 4 - CH 1050 Chemistry in Context I 3 - HLTH 2980 Human Health and Disease 3 - NUTR 2030 Principles of Human Nutrition 4 - Elective 16-17

College of Health, Education and Human Development

118
Second Semester
4 - CH 1020 General Chemistry or
4 - CH 1060 Chemistry in Context II
3 - COMM 1500 Intro. to Human Comm. or
3 - COMM 2500 Public Speaking
3 - HLTH 2400 Determinants of Health Behavior
1 - HLTH 3980 Health Appraisal Skills
3 - PSYC 3400 Lifespan Developmental Psych.

Junior Year
First Semester
4 - BIOL 2220 Human Anatomy and Phys. I
3 - HLTH 4190 Health Science Internship
Preparation Seminar
3 - HLTH 4800 Community Health Promotion
3 - HLTH 4900 Research and Evaluation Strategies for Public Health
3 - Arts and Humanities (Non-Lit.) Requirement
1 - Elective
15

Second Semester
4 - BIOL 2230 Human Anatomy and Phys. II
1 - HLTH 4190 Health Science Internship
2 - Health Requirement
3 - Guided Requirement
3 - Arts and Humanities (Literature) Requirement
2 - Elective
14

Senior Year
First Semester
5 - HLTH 4200 Health Science Internship
6 - Health Requirement
2 - Guided Requirement
3 - Health Requirement
3 - Elective
15

Second Semester
3 - Arts and Humanities (Literature) Requirement
6 - Guided Requirement
3 - Health Requirement
3 - Elective
120–122 Total Semester Hours

HEALTH SERVICES ADMINISTRATION CONCENTRATION

Freshman Year
First Semester
3 - ECON 2110 Principles of Microeconomics
3 - HLTH 2020 Introduction to Public Health
4 - Natural Science Requirement
3 - Social Science Requirement
2 - Elective
15

Second Semester
3 - ECON 2120 Principles of Macroeconomics
3 - ENGL 1030 Accelerated Composition
3 - HLTH 2030 Overview of Health Care Systems
3 - Guided Requirement
3 - Mathematics Requirement
15-16

Sophomore Year
First Semester
3 - ACCT 2100 Financial Accounting Concepts
3 - CRD (APEC, HLTH) 3610 Introduction to Health Care Economics
3 - HLTH 2980 Human Health and Disease
3 - Health Requirement
3 - Statistics Requirement
15

Second Semester
3 - COMM 1500 Intro. to Human Comm. or
3 - COMM 2500 Public Speaking
3 - HLTH 2400 Determinants of Health Behavior
3 - MGT 2010 Principles of Management
3 - Guided Requirement
3 - Social Science Requirement
15

Junior Year
First Semester
3 - HLTH 3400 Hlth. Promotion Program Planning
3 - HLTH 3030 Public Health Communication
4 - BIOL 2220 Human Anatomy and Phys. I
1 - HLTH 4190 Health Science Internship

Second Semester
3 - Guided Requirement
3 - HLTH 3980 Health Appraisal Skills
3 - COMM 1500 Intro. to Human Comm.
or
3 - COMM 2500 Public Speaking
3 - HLTH 4190 Health Science Internship
3 - Guided Requirement
3 - Social Science Requirement
3 - Elective
15

Senior Year
First Semester
3 - HLTH 3500 Epidemiology
3 - LAW 3220 Legal Environment of Business
3 - MKT 3010 Principles of Marketing
3 - Guided Requirement
3 - Elective
15

Second Semester
1 - HLTH 4190 Health Science Internship
Preparation Seminar
3 - HLTH 4900 Research and Evaluation Strategies for Public Health
3 - Arts and Humanities (Literature) Requirement
3 - Guided Requirement
3 - Health Requirement
3 - Elective
16

Second Semester
3 - HLTH 4750 Principles of Health Care Operations Management and Research
3 - HLTH 4780 Health Policy Ethics and Law
3 - HLTH 4790 Financial Management and Budgeting for Health Service Organizations
3 - Arts and Humanities (Non-Lit.) Requirement
3 - Guided Requirement
15

120–122 Total Semester Hours

LEADERSHIP CONCENTRATION

Freshman Year
First Semester
3 - BIOL 1030 General Biology I and
1 - BIOL 1050 General Biology Lab. I or
5 - BIOL 1100 Principles of Biology I
4 - CH 1010 General Chemistry
3 - HLTH 2020 Introduction to Public Health
3 - Social Science Requirement
14-15

Second Semester
3 - BIOL 1040 General Biology II and
1 - BIOL 1060 General Biology Lab. II or
5 - BIOL 1110 Principles of Biology II
4 - CH 1020 General Chemistry
3 - ENGL 1030 Accelerated Composition
3 - HLTH 2030 Overview of Health Care Systems
3 - Mathematics Requirement
17-19

Sophomore Year
First Semester
4 - BIOL 2220 Human Anatomy and Phys. I
3 - CVT 2250 Ultrasound Physics
3 - HLTH 2980 Human Health and Disease
3 - PHYS 2070 General Physics I
1 - PHYS 2090 General Physics I Laboratory
3 - Statistics Requirement
17

Second Semester
4 - BIOL 2230 Human Anatomy and Physiology II
3 - COMM 1500 Intro. to Human Comm. or
3 - COMM 2500 Public Speaking
3 - CVT 2260 Intro. to Cardiovascular Sonography
3 - HEHD 4000 Intro. to Leadership Theories and Concepts
3 - HLTH 2400 Determinants of Health Behavior
16
Junior Year
First Semester
4 - CVT 3250 Echocardiography Principles
3 - CVT 3350 Vascular Sonography Principles
3 - HLTH 3800 Epidemiology
3 - Arts and Humanities (Literature) Requirement
14
Second Semester
4 - CVT 3260 Echocardiography Methods
4 - CVT 3360 Vascular Sonography Methods
3 - HEHD 4100 Leadership Behavior and Civil Engagement
3 - HLTH 4900 Research and Evaluation Strategies for Public Health
3 - Arts and Humanities (Non-Lit.) Requirement
17
Summer
6 - CVT 4240 CVS Field Experience I

Senior Year
First Semester
6 - CVT 4250 CVS Field Experience II
3 - HEHD 4200 Leadership Appl. and Experience
3 - Social Sciences Requirement
12
Second Semester
6 - CVT 4260 CVS Field Experience III
3 - Health Requirement
3 - Elective
12
125–128 Total Semester Hours

See General Education Requirements. Six of these credits must also satisfy the Cross-Cultural Awareness and Science and Technology in Society Requirements.

Sophomore Year
First Semester
4 - BIOL 2220 Human Anatomy and Phys. I
3 - HLTH 2980 Human Health and Disease
3 - Guided Requirement
3 - Health Requirement
3 - Statistics Requirement
16
Second Semester
4 - BIOL 2230 Human Anatomy and Phys. II
3 - COMM 1500 Intro. to Human Comm. or
3 - COMM 2500 Public Speaking
3 - HLTH 2400 Determinants of Health Behavior
3 - Social Science Requirement
3 - Elective
16

Junior Year
First Semester
3 - HLTH 3800 Epidemiology
3 - PHYS 2070 General Physics I
1 - PHYS 2000 General Physics I Lab.
4 - Guided Requirement
3 - Health Requirement
1 - Elective
15
Second Semester
1 - HLTH 4190 Health Science Internship
3 - Arts and Humanities (Non-Lit.) Requirement
3 - Guided Requirement
3 - Health Requirement
3 - Elective
15

Senior Year
First Semester
5 - HLTH 4500 Health Science Internship
3 - Arts and Humanities (Literature) Requirement
3 - Health Requirement
3 - Elective
13
Second Semester
5 - HLTH 4600 Health Science Internship
3 - Arts and Humanities (Non-Lit.) Requirement
3 - Guided Requirement
3 - Elective
13
120–123 Total Semester Hours

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

College of Health, Education and Human Development

LANGUAGE AND INTERNATIONAL HEALTH

Bachelor of Science
The Language and International Health program is administered by the College of Architecture, Arts and Humanities and the College of Health, Education and Human Development. See page 68 for the curriculum.

NURSING

Bachelor of Science
The Bachelor of Science degree program in Nursing prepares students for professional nursing practice in a variety of settings, such as hospitals, industry, clinics, and public health agencies. During the first two years, emphasis is on liberal arts and basic science courses arranged to provide a foundation for the nursing major. Junior and senior courses emphasize the study of nursing. Clinical nursing experiences, guided by the Nursing faculty, involve acute and community-based settings. Students are responsible for their own transportation to clinical laboratory experiences which may extend throughout the Upstate.

Throughout the clinical laboratory period, Nursing majors are required to carry current, valid student nurses’ professional liability insurance with minimum limits of liability of $1,000,000 per occurrence and $6,000,000 in aggregate. Documentation of such coverage must be provided to the Director of the School of Nursing. No student may participate in clinical learning activities without this insurance coverage.

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/health/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 minimum grade point average 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 average 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 average 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/health/nursing.

### Freshman Year

**First Semester**
- 3 - BIOL 1030 General Biology I
- 1 - BIOL 1050 General Biology Lab. I
- 3 - COMM 1500 Intro. to Human Comm. or
- 3 - COMM 2500 Public Speaking
- 2 - NURS 1020 Nursing Success Skills
- 3 - NURS 1400 Computer Appl. in Health Care
- 3 - SOC 2010 Introduction to Sociology

**Second Semester**
- 4 - CH 1010 General Chemistry I
- 3 - ENGL 1030 Accelerated Composition
- 3 - MTHS 2030 Elementary Statistical Inference
- 3 - PSYC 2010 Introduction to Psychology
- 3 - Arts and Humanities (Non-Lit.) Requirement

### Sophomore Year

**First Semester**
- 4 - BIOL 2220 Human Anatomy and Phys. I
- 4 - MICRO 2050 Introductory Microbiology
- 3 - NUTR 2050 Nutrition for Nursing Professionals
- 3 - Arts and Humanities (Literature) Requirement
- 1 - Elective

**Second Semester**
- 4 - BIOL 2230 Human Anatomy and Phys. II
- 3 - NURS 3200 Professionalism in Nursing
- 3 - NURS (HCG) 3330 Health Care Genetics
- 3 - Cross-Cultural Awareness Requirement
- 2 - Elective

### Junior Year

**First Semester**
- 3 - ENGL 3040 Business Writing or
- 3 - ENGL 3140 Technical Writing or
- 3 - ENGL 3150 Scientific Writing and Comm.
- 3 - NURS 3040 Pathophysiology for Health Care Professionals
- 3 - NURS 3100 Health Assessment
- 4 - NURS 3120 Medical-Surgical I: Foundations of Nursing
- 3 - NURS 3400 Pharmacotherapeutic Nursing Interventions

**Second Semester**
- 7 - NURS 3030 Medical-Surg. II: Nursing of Adults
- 3 - NURS 3050 Psychosocial Nursing
- 2 - NURS 3110 Health Promo. Across the Lifespan
- 2 - NURS 3230 Gerontology Nursing
- 3 - NURS 3300 Research in Nursing

15 or 17

### Senior Year

**First Semester**
- 5 - NURS 4010 Mental Health Nursing
- 5 - NURS 4100 Nursing Care of Children
- 5 - NURS 4120 Nursing Care of Women and Their Families

**Second Semester**
- 5 - NURS 4030 Medical-Surgical III: Complex Nursing of Adults
- 6 - NURS 4100 Leadership Management and Nursing Care Practicum
- 5 - NURS 4140 Community Health Nursing and Health Promotion or
- 4 - NURS 4150 Community Health Nursing

123 or 125 Total Semester Hours

### 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 2010 Introduction to Sociology
- 3 - Computer Skills Requirement
- 3 - Mathematics Requirement
- 4 - Science Requirement
- 3 - Elective

**Second Semester**
- 3 - ENGL 1030 Accelerated Composition
- 3 - PSYC 2010 Introduction to Psychology
- 3 - Approved Requirement
- 3 - Arts and Humanities (Non-Lit.) Requirement
- 4 - Science Requirement

### Sophomore Year

**First Semester**
- 4 - BIOL 2220 Human Anatomy and Phys. I
- 3 - MTHS 2050 Introductory Microbiology
- 3 - Arts and Humanities (Literature) Requirement
- 3 - Elective

**Second Semester**
- 4 - BIOL 2230 Human Anatomy and Phys. II
- 3 - Nutrition Requirement
- 3 - Oral Communication Requirement
- 3 - Elective

### Junior Year

**First Semester**
- 3 - NURS 3040 Pathophysiology for Health Care Professionals
- 4 - NURS 3120 Medical-Surgical I: Therapeutic Nursing Interventions
- 5 - NURS 4110 Nursing Care of Children
- 3 - Departmental Requirement

**Second Semester**
- 7 - NURS 3030 Medical-Surg. II: Nursing of Adults
- 2 - NURS 3190 Health Assessment for RNs
- 3 - NURS 3300 Research in Nursing
- 3 - NURS 4060 Issues in Professionalism

### Senior Year

**First Semester**
- 4 - NURS 3070 Family Nursing in the Community
- 3 - NURS (HCG) 3330 Health Care Genetics
- 5 - NURS 4030 Medical-Surgical III: Complex Nursing of Adults
- 5 - NURS 4120 Nurs. Care of Women and Families

**Second Semester**
- 5 - NURS 4010 Mental Health Nursing
- 5 - NURS 4050 Leadership and Mgt. in Nursing
- 4 - NURS 4250 Community Nursing
- 3 - Scientific/Technical Writing Requirement
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, event 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 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 average 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 bases 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.

First Semester
- CU 1010 University Success Skills
- Mathematics Requirement
- Natural Science Requirement
- Social Sciences Requirement
- 15

Second Semester
- ENGL 1030 Accelerated Composition
- Foundations of Management
- PRTM 2200 Conceptual Foundations of PRTM
- Mathematics or Natural Science Requirement
- 15

Sophomore Year
First Semester
- PRTM 1980 Creative Inquiry—PRTM I
- PRTM 2260 Found. of Mgmt., Administration and Programming in Leisure Services
- PRTM 2270 Provision of Leisure Service Exp.
- PRTM 2290 Distributed Competency
- Integration in PRTM
- 15

Second Semester
- PRTM 2980 Creative Inquiry—PRTM II
- Arts and Humanities (Literature) Requirement
- Concentration Requirement
- Elective
- 15

Summer
- PRTM 2060 Practicum I
- PRTM 2070 Practicum II
- 2

Junior Year
First Semester
- PRTM 3980 Creative Inquiry—PRTM III
- PRTM 4040 Field Training I
- Concentration Requirement
- 15

Second Semester
- PRTM 4980 Creative Inquiry—PRTM IV
- Concentration Requirement
- Elective
- 15

Summer
- PRTM 4050 Field Training II

Senior Year
First Semester
- Concentration Requirement
- 12

Second Semester
- Concentration Requirement
- Elective
- 15

122 Total Semester Hours

See advisor for new General Education Requirement to replace CU 1010.

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

See advisor.

PARKS AND 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
- CU 1010 University Success Skills
- Mathematics Requirement
- Natural Science Requirement
- 15

Second Semester
- ENGL 1030 Accelerated Composition
- PRTM 2000 Profession and Practice in PRTM
- Arts and Humanities (Non-Lit.) Requirement
- Mathematics or Natural Science Requirement
- 15

Summer
- PRTM 2060 Practicum I
- PRTM 2070 Practicum II
- 2
Sophomore Year

First Semester
1 - PRTM 1980 Creative Inquiry—PRTM I 1
6 - PRTM 2260 Foundations of Management, Admin. and Programming in Leisure Skills
2 - PRTM 2270 Provision of Leisure Service Exp.
3 - PRTM 2290 Competency Integration in PRTM

Second Semester
2 - PRTM 2980 Creative Inquiry—PRTM II
3 - Arts and Humanities (Literature) Requirement1
9 - Concentration Requirement2
1 - Elective
15

Summer
1 - PRTM 2060 Practicum I
1 - PRTM 2070 Practicum II
1

Junior Year

First Semester
2 - PRTM 3980 Creative Inquiry—PRTM III
1 - PRTM 4040 Field Training I
12 - Concentration Requirement3
2 - Elective
15

Second Semester
1 - PRTM 4980 Creative Inquiry—PRTM IV
12 - Concentration Requirement3
1 - Elective
15

Summer
6 - PRTM 4050 Field Training II

Senior Year

First Semester
12 - Concentration Requirement3
12

Second Semester
6 - Concentration Requirement3
6 - Elective
12

122 Total Semester Hours

*See advisor for new General Education Requirement to replace CU 1010.

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

*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. See advisor for new/additional General Education Requirements.

Freshman Year

First Semester
3 - PRTM 2810 Introduction to Golf Management
6 - Social Science Requirement1
3 - Mathematics Requirement1
4 - Natural Science Requirement1
1 - Elective
15

Second Semester
3 - ENGL 1030 Accelerated Composition
1 - PRTM 1950 PGM Seminar I
1 - PRTM 2000 Profession and Practice in PRTM
2 - PRTM 2200 Conceptual Foundations of PRTM
3 - Arts and Humanities (Non-Lit.) Requirement1
3 - Mathematics or Natural Science Requirement1
3 - Oral Communication Requirement1
16

Summer
0 - CO-OP 2010 Cooperative Education
1 - PRTM 2060 Practicum I
1

Sophomore Year

First Semester
1 - PRTM 1980 Creative Inquiry—PRTM I
6 - PRTM 2260 Foundations of Management and Administration in PRTM
5 - PRTM 2270 Provision of Leisure Service Exp.
3 - PRTM 2290 Distributed Competency Integration in PRTM
1 - PRTM 295 PGM Seminar II
16

Second Semester
3 - Arts and Humanities (Literature) Requirement1
9 - Concentration Requirement2
4 - Elective
16

Summer
0 - CO-OP 2020 Cooperative Education
0

Junior Year

First Semester
0 - CO-OP 2030 Cooperative Education
1 - PRTM 2070 Practicum II
0

Second Semester
12 - Concentration Requirement2
3 - Elective
15

Senior Year

First Semester
1 - PRTM 3950 PGM Seminar III
1 - PRTM 4040 Field Training I
15 - Concentration Requirement2
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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.
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—*not open to Marketing majors*.
Biochemistry
Biological Sciences—*not open to Science Teaching–Biological Sciences*
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
Pharmacology
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 39-42 for details.