

Senior Year**First Semester**

- 3 - JUST 4930 Corrections⁶
- 3 - Criminal Justice Requirement⁵
- 6 - Minor Requirement⁴
- 3 - Social Justice Requirement⁷
- 15

Second Semester

- 2 - JUST 4970 Justice Studies Capstone
- 3 - Criminal Justice Requirement⁵
- 3 - Minor Requirement⁴
- 6 - Elective
- 14

121-122 Total Semester Hours

¹MATH 1060 is recommended.²See General Education Requirements. The Social Science Requirement may not be fulfilled by a SOC course.³Select from ANTH 3310, 3510, 3530, 4510, 4530, 4660, or any course in AGM, ASTR, AVS, BCHM, BE, BIOE, BIOL, BMOL, BT, CE, CES, CH, CHE, CPSC, CSM, CVT, ECE, EES, EM, ENGR, ENR, ENSP, ENT, ETOX, FDSC, FNR, FOR, GEN, GEOL, HCG, HLTH, HORT, IE, MATH, ME, MICR, MSE, NURS, NUTR, PES, PHSC, PHYS, PKSC, PLPA, STAT, or WFB.⁴See page 93 for approved minors.⁵General concentration students select from JUST 3980, 4280, 4940, POSC 4360, 4370, SOC 3910, 3920, 3970, 4860, and 4950. Leadership concentration students select from JUST 4290, 4920, POSC 4360, SOC 4500, and 4860.⁶JUST 4680, 4910, and 4930 may be taken in any order.⁷Select from ANTH 4230, SOC 3510, 3600, 4140, 4330, 4600, and 4610.**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 behavior, health services administration, leadership for cardiovascular technology, and pre-professional health studies. Students in the Health Promotion and Behavior 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 and training in diagnostic cardiovascular sonography and leadership. 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 63-64).

Entrance Requirements

To facilitate admission of students who can achieve at an appropriate level in the program, admission is selective. Applicants are reviewed by the Office of Admissions and 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 their senior year of 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 Health Science 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 Health Science curriculum is determined after credit evaluation is complete.

Students may apply to change majors into Health Science with decisions based on available space and approval by the department advisory committee. Applications are accepted in the fall semester beginning on the first day of class with a deadline of the last day of classes. Accepted change-of-major students must be signed into the program by the academic advisor. Minimally, applicants must have a cumulative grade-point average of 2.25 with 49 or fewer earned credits or a 2.5 with 50 or more earned credits. Students with 50 or more earned credits must also have taken and passed the math requirement, statistics requirements and science requirement per the General Education requirements listed in the *Undergraduate Announcements*. Students are allowed to apply only twice. Detailed information is available in the Academic Advising Center located in 309 Edwards Hall.

CARDIOVASCULAR IMAGING 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 Requirement¹
- 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 Composition and Rhetoric
- 3 - HLTH 2030 Overview of Health Care Systems
- 3-4 - Mathematics Requirement²
- 17-19

Sophomore Year**First Semester**

- 4 - BIOL 2220 Human Anatomy and Phys. I
- 3 - CVT 2260 Intro. to Cardiovascular Sonography
- 3 - HLTH 2980 Human Health and Disease
- 3 - PHYS 2070 General Physics I
- 1 - PHYS 2090 General Physics I Laboratory
- 3 - Statistics Requirement³
- 17

Second Semester

- 4 - BIOL 2230 Human Anatomy and Physiology II
- 3 - COMM 1500 Introduction to Human Comm. or
- 3 - COMM 2500 Public Speaking
- 3 - CVT 2250 Ultrasound Physics
- 3 - HLTH 2400 Determinants of Health Behavior
- 3 - Health Requirement⁴
- 16

Junior Year**First Semester**

- 4 - CVT 3250 Echocardiography Principles
- 4 - CVT 3350 Vascular Sonography Principles
- 3 - HLTH 3800 Epidemiology
- 3 - Arts and Humanities (Literature) Requirement¹
- 14

Second Semester

- 4 - CVT 3260 Echocardiography Methods
- 4 - CVT 3360 Vascular Sonography Methods
- 3 - HLTH 4900 Research and Evaluation Strategies for Public Health
- 3 - Leadership Requirement⁵
- 3 - Social Science Requirement¹
- 17

Summer

- 3 - CVT 4240 Introduction to Field Experience

Senior Year**First Semester**

- 6 - CVT 4250 CVS Field Experience II
- 3 - HLTH 4180 CVT Professional Development
- 3 - Arts and Humanities (Non-Lit.) Requirement¹
- 12

Second Semester

- 6 - CVT 4260 CVS Field Experience III
- 3 - Health Requirement⁴
- 3 - Leadership Requirement⁵
- 12

122-125 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.²MATH 1020 or 1060³STAT 2300 or 3090⁴Any HLTH course not otherwise required.⁵Select from HEHD 4000, 4100 or 4200*Note:* A minimum grade-point average of 2.0 is required for registration in each HLTH course.**HEALTH PROMOTION AND BEHAVIOR 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
- 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 Composition and Rhetoric
 - 3 - HLTH 2030 Overview of Health Care Systems
 - 3-4 - Mathematics Requirement¹
 - 3 - Social Science Requirement²
 - 4 - 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 Introduction to Principles of Human Nutrition
 - 3 - Guided Requirement³
 - 3 - Statistics Requirement⁴
- 16

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
 - 3 - HLTH 3980 Health Appraisal Skills
 - 3 - PSYC 3400 Lifespan Developmental Psych.
- 16

Junior Year**First Semester**

- 4 - BIOL 2220 Human Anatomy and Phys. I
 - 3 - HLTH 3030 Public Health Communication
 - 3 - HLTH 3400 Hlth. Promotion Program Planning
 - 3 - HLTH 3800 Epidemiology
 - 3 - Guided Requirement³
- 16

Second Semester

- 4 - BIOL 2230 Human Anatomy and Phys. II
 - 1 - 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.) Requirement²
 - 1 - Elective
- 15

Senior Year**First Semester**

- 5 - HLTH 4200 Health Science Internship⁵
 - 6 - Health Requirement⁶
 - 3 - Elective
- 14

Second Semester

- 3 - Arts and Humanities (Literature) Requirement²
 - 6 - Guided Requirement³
 - 3 - Health Requirement⁶
 - 3 - Elective
- 15

122-124 Total Semester Hours

¹MATH 1010, 1020, or 1060

²See General Education Requirements. Three of these credit hours must also satisfy the Cross-Cultural Awareness Requirement.

³Select 12 credits from any 4000-level AAH course, any 2000-4000-level ACCT course, any 4000-level AGRB course, any 3000-4000-level AL course, any 2000-4000-level ANTH course, any 1000-2000-level ARAB course, any 4000-level ARCH course, any 1000-2000-level ASL course, any 3000-4000-level BCHM course, any BIOL course, any 2000-level CH course, any CHIN course, any 2000-4000-level COMM course, any 4000-level CRP course, any 2000-level or 4000-level CTE course, any 2000-level ECON course, any 3000-level EDC course, any 3000-level EDEC course, any 3000-4000-level EDF course, any 4000-level EDSP course, any 4000-level EES course, any 3000-level ELE course, any 2000-4000-level ENGL course, any 2000-4000-level ENSP course, any 3000-level ENT course, any FDSC course, any 2000-4000-level FR course, any 3000-4000-level GEN course, GEOG 1060 or any 3000-level GEOG course, any GER course, any 2000-4000-level HEHD course, any 3000-4000-level HIST course, any 2000-4000-level HLTH course, any 3000-level HUM course, any ITAL course, any JAPN course, any 1000-2000-level LATN course, any 4000-level LAW course, any 3000-level MGT course, any 2000-3000-level MICR course, any 3000-4000-level MKT course, any 3000-4000-level NPL course, any 2000-level or 4000-level NUTR course, PHIL 1030 or any 3000-level PHIL course, any 2000-4000-level PHYS course, any 3000-level PLPH course, any 1000-2000-level PORT course, any 3000-4000-level POSC course, any 2000-4000-level PRMT course, any PSYC course, any 3000-4000-level RS course, any RUSS course, any SOC course, any 2000-4000-level SPAN course, or any 3000-level WFB course.

⁴STAT 2300, 3090, or 3300

⁵Internship must be done in one semester during the fall, spring or summer after student completes HLTH 4190. The prerequisite for HLTH 4190 is junior standing.

⁶Any HLTH course not otherwise required

Notes:

1. A minimum grade-point average of 2.0 is required for registration in each HLTH course.
2. Students who wish to pursue preprofessional options should take CH 1010 and 1020.

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 Requirement¹
 - 2 - Elective
- 15

Second Semester

- 3 - ECON 2120 Principles of Macroeconomics
 - 3 - ENGL 1030 Composition and Rhetoric
 - 3 - HLTH 2030 Overview of Health Care Systems
 - 3 - Guided Requirement²
 - 3-4 - Mathematics Requirement³
- 15-16

Sophomore Year**First Semester**

- 3 - ACCT 2010 Financial Accounting Concepts
 - 3 - HLTH 2980 Human Health and Disease
 - 3 - Guided Requirement²
 - 3 - Health Requirement⁴
 - 3 - Statistics Requirement⁵
- 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 Requirement²
 - 3 - Social Science Requirement¹
- 15

Junior Year**First Semester**

- 3 - AGRB (HLTH) 3610 Introduction to Health Care Economics
 - 3 - HLTH 3800 Epidemiology
 - 3 - LAW 3220 Legal Environment of Business
 - 3 - MKT 3010 Principles of Marketing
 - 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) Requirement¹
 - 3 - Guided Requirement²
 - 3 - Health Requirement⁴
 - 3 - Elective
- 16

Senior Year**First Semester**

- 3 - FIN 3060 Corporation Finance
 - 5 - HLTH 4200 Health Science Internship⁶
 - 3 - HLTH 4400 Managing Health Service Org.
 - 3 - HLTH 4750 Principles of Health Care Operations Management and Research
- 14

Second Semester

- 3 - HLTH 4600 Health Information Systems
 - 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.) Requirement¹
 - 3 - Guided Requirement²
- 15
- 120-121 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.

²Select 15 credits from any 4000-level AAH course, any 2000-4000-level ACCT course, any 4000-level AGRB course, any 3000-4000-level AL course, any 2000-4000-level ANTH course, any 1000-2000-level ARAB course, any 4000-level ARCH course, any 1000-2000-level ASL course, any 3000-4000-level BCHM course, any BIOL course, any 2000-level CH course, any CHIN course, any 2000-4000-level COMM course, any 4000-level CRP course, any 2000-level or 4000-level CTE course, any 2000-level ECON course, any 3000-level EDC course, any 3000-level EDEC course, any 3000-4000-level EDF course, any 4000-level EDSP course, any 4000-level EES course, any 3000-level ELE course, any 2000-4000-level ENGL course, any 2000-4000-level ENSP course, any 3000-level ENT course, any FDSC course, any 2000-4000-level FR course, any 3000-4000-level GEN course, GEOG 1060 or any 3000-level GEOG course, any GER course, any 2000-4000-level HEHD course, any 3000-4000-level HIST course, any 2000-4000-level HLTH course, any 3000-level HUM course, any ITAL course, any JAPN course, any 1000-2000-level LATN course, any 4000-level LAW course, any 3000-level MGT course, any 2000-3000-level MICR course, any 3000-4000-level MKT course, any 3000-4000-level NPL course, any 2000-level or

4000-level NUTR course, PHIL 1030 or any 3000-level PHIL course, any 2000-4000-level PHYS course, any 3000-level PLPH course, any 1000-2000-level PORT course, any 3000-4000-level POSC course, any 2000-4000-level PRTM course, any PSYC course, any 3000-4000-level RS course, any RUSS course, any SOC course, any 2000-4000-level SPAN course, or any 3000-level WFB course.

³MATH 1010, 1020, or 1060

⁴Any HLTH course not otherwise required

⁵STAT 2300 or 3090

⁶ Internship must be done in one semester during the fall, spring or summer after student completes HLTH 4190. The prerequisite for HLTH 4190 is junior standing.

Note: A minimum grade-point average of 2.0 is required for registration in each HLTH course.

PREPROFESSIONAL HEALTH STUDIES 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 Requirement¹

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 Composition and Rhetoric

3 - HLTH 2030 Overview of Health Care Systems

3-4 - Mathematics Requirement²

17-19

Sophomore Year

First Semester

4 - BIOL 2220 Human Anatomy and Phys. I

3 - HLTH 2980 Human Health and Disease

3 - Guided Requirement³

3 - Social Science Requirement¹

3 - Statistics Requirement⁴

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 - Guided Requirement³

3 - Macro Level Health Domain Requirement⁵

16

Junior Year

First Semester

3 - HLTH 3800 Epidemiology

3 - PHYS 2070 General Physics I

1 - PHYS 2090 General Physics I Lab.

4 - Guided Requirement³

3 - Health Needs of Special Populations Domain Requirement⁶

1 - Elective

15

Second Semester

1 - HLTH 4190 Health Science Internship

Preparation Seminar

3 - HLTH 4900 Research and Evaluation

Strategies for Public Health

3 - PHYS 2080 General Physics II

1 - PHYS 2100 General Physics II Lab.

3 - Arts and Humanities (Non-Lit.) Requirement¹

4 - Elective

15

Senior Year

First Semester

5 - HLTH 4200 Health Science Internship⁷

3 - Arts and Humanities (Literature) Requirement¹

3 - Research and Skills Health Domain Req.⁸

3 - Elective

14

Second Semester

3 - Guided Requirement³

3 - Health Systems Domain Requirement⁹

7 - Elective

13

120-123 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.

²MATH 1020 or 1060

³Select 13 credits from any 4000-level AAH course, any 2000-4000-level ACCT course, any 4000-level AGRB course, any 3000-4000-level AL course, any 2000-4000-level ANTH course, any 1000-2000-level ARAB course, any 4000-level ARCH course, any 1000-2000-level ASL course, any 3000-4000-level BCHM course, any BIOL course, any 2000-level CH course, any CHIN course, any 2000-4000-level COMM course, any 4000-level CRP course, any 2000-level or 4000-level CTE course, any 2000-level ECON course, any 3000-level EDC course, any 3000-level EDEC course, any 3000-4000-level EDF course, any 4000-level EDSP course, any 4000-level EES course, any 3000-level ELE course, any 2000-4000-level ENGL course, any 2000-4000-level ENSP course, any 3000-level ENT course, any FDSC course, any 2000-4000-level FR course, any 3000-4000-level GEN course, GEOG 1060 or any 3000-level GEOG course, any GER course, any 2000-4000-level HEHD course, any 3000-4000-level HIST course, any 2000-4000-level HLTH course, any 3000-level HUM course, any ITAL course, any JAPN course, any 1000-2000-level LATN course, any 4000-level LAW course, any 3000-level MGT course, any 2000-3000-level MICR course, any 3000-4000-level MKT course, any 3000-4000-level NPL course, any 2000-level or 4000-level NUTR course, PHIL 1030 or any 3000-level PHIL course, any 2000-4000-level PHYS course, any 3000-level PLPH course, any 1000-2000-level PORT course, any 3000-4000-level POSC course, any 2000-4000-level PRTM course, any PSYC course, any 3000-4000-level RS course, any RUSS course, any SOC course, any 2000-4000-level SPAN course, or any 3000-level WFB course.

⁴STAT 2300 or 3090

⁵Select from HLTH 3150, 4310, 4700, or 4980

⁶Select from HLTH 3100, 3200, 4100, 4110, 4150, or 4300

⁷Internship may be done fall, spring, or summer after completing HLTH 4190. Prior approval is required for summer internships.

⁸Select from HLTH 3050, 3980, 4020, 4600, 4850, 4970, or 4990

⁹Select from HLTH 3610, 4780, 4790

Note: A minimum grade-point average of 2.0 is required for registration in all HLTH courses.

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 Behavioral, Social and Health Sciences. See pages 63-64 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/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 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