

HEALTH SCIENCES MAJOR

Bachelor of Science in Health Sciences

Health sciences is an interdisciplinary major that requires a second major and their advising team should be familiar with each major.

Specific Course Requirements

Courses for the program will be selected in close consultation with the student's advising team. Courses in the major come from disciplines in a variety of areas of study, primarily the natural sciences, mathematics and social sciences. In addition to the pre-requisite courses needed for their desired graduate or post-baccalaureate program, all majors take Health Science Seminar, a 1-credit course designed to help students with the application process, from preparing the personal statement to interview tips and financial planning. The major requires a minimum of 33 credit hours (nine courses) chosen from the lists in each field below, one of which must be an internship at the 390 level in the student's proposed career field. This internship experience is undertaken in the junior or senior year and is intended to give the student an opportunity to gain the real-world experience necessary for a career in any of the health care fields.

The Health Sciences Seminar acts as a capstone to the major along with the internship experience and should be taken in the junior or senior year.

Health Sciences

Code	Title	Credits
HSCI 390	Internship	4
HSCI 400	Health Science Seminar	1
Total Credits		5

Because health sciences is an interdisciplinary major, students must select courses from at least two different disciplines listed below. In addition, at least four of the courses in the major must be at the 200 level or above. Students must work closely with their advising team to make sure they select the necessary courses to prepare for the graduate program they desire, as well as courses that complement their second major.

Biology

Code	Title	Credits
BIOL 202	Intro Biol: Ecol and Evolution	4
BIOL 203	Intro Biol:Molecules and Cells	4
BIOL 313	Molecular Cell Biology	4
BIOL 315	Microbiology	4
BIOL 341	Human Anatomy and Physiology I	4
BIOL 342	Human Anatomy and Physiology II	4
BIOL/CHEM 434	Biochemistry (CHEM 434)	4
BIOL 443	Genetics	4

Chemistry

Code	Title	Credits
CHEM 111	Chemical Principles I	4
CHEM 112	Chemical Principles II	4
CHEM 231	Organic Chemistry I	4
CHEM 232	Organic Chemistry II	4

CHEM/BIOL 434	Biochemistry (BIOL 434)	4
BIOL 443	Genetics	4

Mathematics

Code	Title	Credits
MATH 112	Elementary Statistics	4
MATH 114	College Algebra	4
MATH 115	Elementary Functions	4
MATH 116	Trigonometry	4
MATH 220	Calculus I: Differential Cal.	4

Physics

Code	Title	Credits
PHYS 111	Introduction to Physics for the Life Sciences I	4
PHYS 112	Introduction to Physics for the Life Sciences II	4
PHYS 117	Physics I	4
PHYS 118	Physics II	4

Psychology

Code	Title	Credits
PSY 100	Introduction to Psychology	4
PSY 224	Developmental Psychology	4
PSY/BIOL 340	Psychobiology (Biol 340)	4
PSY 342	Adult Psychopathology	4
PSY/BIOL 343	Sensory Systems (Biol 343)	4

Public Health

Code	Title	Credits
PBH 100	Introduction to Public Health	4
PBH 200	Epidemiology	4
PBH 292	Scientific Inquiry: Introduction to Research in Community Health Issues (BIOL 292)	4
PBH 300	Global Health	3,4

Sport Studies

Code	Title	Credits
SPST 210	Introduction to Athletic Injury and Illness with Lab	4
SPST 211	Health and Wellness Promotion	4
SPST 245	Emergency Procedures in Sports Medicine	4
SPST 246	Biomechanics of Sport and Exercise	4
SPST 311	Sport and Exercise Physiology	4
SPST 314	Perspectives in Sport and Exercise Nutrition	4
SPST 340	Psychology of Sport & Exercise	4
SPST 373	Therapeutic Modalities and Rehabilitation with Lab	4
SPST 474	Physical Examination and Assessment with Lab	4

Total credits required for B.S. degree in health science is 33 credits.