

# HEALTH STUDIES MAJOR

Code	Title	Credits
2000-level Course in History, Philosophy, or Religious Studies		3
BIOL 1088	Biomedical Science and Society	3
BIOL 1107 & 1107L	Human Anatomy and Physiology I and Human Anatomy and Physiology I Lab	4
BIOL 1108 & 1108L	Human Anatomy and Physiology II and Human Anatomy and Physiology II Lab	4
CHEM 1184 & 1184L	General Chemistry for Health Science and General Chemistry for Health Science Lab	4
MATH 1017	Elementary Probability and Statistics	3
NURS 1112	Healthcare Delivery Systems	3
PSYC 1110	Lifespan Development	3
<b>Total Credits</b>		<b>27</b>

## Plan of Study

The Plan of Study is subject to change based upon course availability.

Course	Title	Credits
<b>First Year</b>		
<b>Summer</b>		
MUSC 1120	History of American Song	3
ENGL 1010	Introduction to Literary and Cultural Studies	3
<b>Credits</b>		<b>6</b>
<b>Fall</b>		
BIOL 1088	Biomedical Science and Society	3
ENGL 1001	Introduction to Rhetoric and Composition	3
MATH 1011	Precalculus	3
PHIL 1101	Introduction to Philosophy	3
<b>Credits</b>		<b>12</b>
<b>Spring</b>		
MATH 1016	Concepts of Calculus	3
ENGL 2001	Rhetorics that Matter: Personal, Public, Political	3
COMM 1101	Argument and Advocacy	3
RLST 1001	Religion and the Critical Mind	3
<b>Credits</b>		<b>12</b>
<b>Second Year</b>		
<b>Summer</b>		
CHEM 1184	General Chemistry for Health Science	3
CHEM 1184L	General Chemistry for Health Science Lab	1
<b>Credits</b>		<b>4</b>
<b>Fall</b>		
NURS 1112	Healthcare Delivery Systems	3
MATH 1017	Elementary Probability and Statistics	3
ENGL 1010	Introduction to Literary and Cultural Studies	3

BIOL 1107 & 1107L	Human Anatomy and Physiology I and Human Anatomy and Physiology I Lab	4
<b>Credits</b>		<b>13</b>
<b>Spring</b>		
PSYC 1110	Lifespan Development	3
BIOL 1108 & 1108L	Human Anatomy and Physiology II and Human Anatomy and Physiology II Lab	4
BIOL 1108L	Human Anatomy and Physiology II Lab	0
AETH 2285	Ethics of Health Care	3
Religious Studies Course		3
<b>Credits</b>		<b>13</b>
<b>Total Credits</b>		<b>60</b>

## Courses

### RLST 1001 Religion and the Critical Mind 3 Credits

**Attributes:** RSST Religious Studies Major Track

This course examines some of the themes in the study of religion and offers a comparative analysis of the nature, function, and purpose of religion as found in a variety of models of religion. A wide variety of contemporary religious practices will serve as discussion points for scholarly analysis. Previously RS 0101A.

### BIOL 1088 Biomedical Science and Society 3 Credits

**Attributes:** HSST Health Studies: Science and Technology, MSID Magis Core: Interdisciplinary, MWAC Magis Core: Writing Across Curriculum

This core science course will engage students in inquiry-based scientific methodology through exploration of specific topics in biomedical science related to human health and disease. The course will explore four biomedical topics. Each topic will include approaches and contributions from chemistry and mathematics, so students appreciate the inherently interdisciplinary nature of science. The course will cover biomedical concepts, quantitative skills, the collection and analysis of data, and guided activities that utilize approaches from all three fields to address biomedical questions. The societal impact and implications of each topic will also be explored. Previously BI 0088.

### CHEM 1184 General Chemistry for Health Science 3 Credits

**Attributes:** EDCG Educational Studies Cognate, HSST Health Studies: Science and Technology

**Corequisite:** CHEM 1184L.

This course introduces the general principles of chemistry (matter and measurement, atomic and molecular structure, energetics, acids and bases, oxidation, and reduction) in a manner that prepares students to relate to properties of organic materials and biologically relevant substances such as carbohydrates, lipids, peptides, proteins, and nucleic acids. The course focuses on general principles and introduces organic and biologically relevant substances. This course is directed to School of Nursing students and students in the Health Studies minor. Previously CH 0084.

### CHEM 1184L General Chemistry for Health Science Lab 1 Credit

**Fee:** \$120 Science Lab Fee

**Corequisite:** CHEM 1184.

This lab illustrates lecture concepts of CHEM 1184 and allows students to observe relevant physical systems. Previously CH 0084L.

**BIOL 1107 Human Anatomy and Physiology I 4 Credits**

**Attributes:** BPMB Biology Physiology Block, HSST Health Studies: Science and Technology

**Corequisite:** BIOL 1107L.

Homeostasis is the major theme of this course, with form and function covered together each semester. This course introduces the student to anatomical terminology, homeostasis and feedback control, membrane physiology, and tissues followed by the integumentary, skeletal, muscular, and nervous systems. A strong chemistry background is recommended. Open to nursing majors only. Previously BI 0107.

**NURS 1112 Healthcare Delivery Systems 3 Credits**

**Attributes:** DEIE Diversity, Equality, and Inclusion Elective, EDCG Educational Studies Cognate, HSTE Health Studies: Traditions, Delivery, and Ethics

The health care delivery system is explored from a historical, economic, political, and health information technology perspective. Emphasis is given to social, ethical, and legal aspects of the current system that remain unresolved, such as access to care, health disparities, and equity. The history and progression of healthcare reform and its influence on our current healthcare system performance will be analyzed. Global health issues and their impact on the delivery of health care services are discussed, along with consumer use of complementary and alternative therapies. This course is designed to give an inter-professional perspective to students interested in health care from any field of study. 42 theory hours. Previously NS 0112.

**BIOL 1107L Human Anatomy and Physiology I Lab 0 Credits**

**Fee:** \$120 Science Lab Fee

**Corequisite:** BIOL 1107.

Laboratory work closely follows the BIOL 1107 lecture and includes microscopic anatomy (histology), use of virtual cadaver (Anatomege Table), anatomical models, human skeletons, and dissections for study of gross anatomy, and physiology experiments including muscle recruitment measurements, reflex tests and cranial nerve tests. Previously BI 0107L.

**BIOL 1108 Human Anatomy and Physiology II 4 Credits**

**Attributes:** BPMB Biology Physiology Block, HSST Health Studies: Science and Technology

**Corequisite:** BIOL 1108L.

**Prerequisite:** BIOL 1107.

Homeostasis is the major theme of this course, with form and function covered together each semester. This course continues with the endocrine, cardiovascular, lymphatic, respiratory, urinary, digestive, and reproductive systems. A strong chemistry background is recommended. Open to nursing majors only. Previously BI 0108.

**BIOL 1108L Human Anatomy and Physiology II Lab 0 Credits**

**Fee:** \$120 Science Lab Fee

**Corequisite:** BIOL 1108.

Laboratory work closely follows the BIOL 1108 lecture and includes microscopic anatomy (histology), use of virtual cadaver (Anatomege Table), anatomical models, and dissections for study of gross anatomy, and physiology experiments including blood pressure measurements, blood typing, lung function, and urinalysis. Previously BI 0108L.

**PSYC 1110 Lifespan Development 3 Credits**

The course encompasses a developmental psychology approach to the growth of the individual from birth to old age, tracing motor, perceptual, language, cognitive, and emotional growth and emphasizing normal development. Psychology majors and students who have taken PSYC 2110 or PSYC 2150 may not take this course. Previously PY 0111.