

# Health Sciences (BS)

Degree Type  
B.S.

The goal of the **Health Sciences BS** is to prepare students for careers related to population health with a sound foundation in disease, determinants of health, policy, and epidemiology, paired with a strong foundation in the natural sciences. This can additionally support preparation for graduate and professional healthcare programs.

The senior project is the completion of an internship or research experience.

## HSCI CORE Courses

Item #	Title	Semester Hours
HSCI 105	Intro to Healthcare Professions	1
HSCI 180	Intro to Population Health	3
HSCI 200	What Makes a Healthy Society? (Social Determinants of Health)	3
NURS 206	Global Issues in Healthcare	3
	HSCI 240 or HSCI 363	3
EXSC 213	Medical Terminology	3
PHIL 221	Health Care Ethics	3
HSCI 301	Epidemiology	3
HSCI 331	Functioning, Disease & Health Interventions	3
HSCI 401	Health Informatics & Data Translation	3
	HSCI 470 or HSCI 485	2

## HSCI Context Support Courses

Item #	Title	Semester Hours
	BIOL 100 or CHEM 100	3
BIOL 117	General Biology	4
BIOL 120	Integrated Anatomy and Physiology I	4
BIOL 121	Integrated Human Anatomy & Physiology II	4
	CHEM 111 or CHEM 125	3-4
	MATH 124/MATH 125 or MATH 151	3-4
PSYC 102	Introduction to Psychology as a Social Science	3
SOCI 252	Sociology of Health	3

## Choose any 5 courses, or select a minor from Biology, Chemistry, Psychology, Sociology, Math, Civic Innovation, or Business Administration

Item #	Title	Semester Hours
BIOL 201	Organismal Biology	4
BIOL 300	Genetics	4
BIOL 425	General Physiology	4
BIOL 441	Cellular and Molecular Biology	4
	BIOL 430 or CHEM 430	4
	BIOL 310 or EXSC 310	4
CHEM 112	General Chemistry II	4
CHEM 211	Organic Chemistry I	4
CHEM 212	Organic Chemistry II	4
EXSC 261X	Applied Anatomy & Kinesiology	3
EXSC 370X	Nutrition	2
MCOM 262	Science Communication	3
NURS 207	Cultural Concepts in Healthcare	3
	PHYS 110 or PHYS 201	4
	PHYS 111 or PHYS 202	4
PSYC 231	Lifespan Development	3
PSYC 318	Health Psychology	3
PSYC 321	Abnormal Psychology	3
SOCI 105	Introduction to Sociology for Healthcare Professionals	3
SOCI 230	Environmental Sociology	3
	<b>Total Credits</b>	<b>79-85</b>

### HSCI 240 or HSCI 363

Elective Credits 3

Item #	Title	Semester Hours
HSCI 240	Healthcare Policy and Law	3
HSCI 363	Healthcare Administration	3

### HSCI 470 or HSCI 485

Elective Credits 2

Item #	Title	Semester Hours
HSCI 470	Internship	2
HSCI 485	Research Experience	2

### BIOL 100 or CHEM 100

Elective Credits 3

Item #	Title	Semester Hours
BIOL 100	Introduction to Biology and Chemistry	3
CHEM 100	Introduction to Biology and Chemistry	3

### CHEM 111 or CHEM 125

Elective Credits 3-4

Item #	Title	Semester Hours
CHEM 111	General Chemistry I	4
CHEM 125	Introduction to General, Organic, and Biological Chemistry	3

## MATH 124/MATH 125 or MATH 151

Elective Credits 3-4

Item #	Title	Semester Hours
MATH 124	Precalculus	3
MATH 125	Precalculus Lab	1
MATH 151	Calculus I	4

## BIOL 430 or CHEM 430

Elective Credits 4

Item #	Title	Semester Hours
BIOL 430	Biochemistry	4
CHEM 430X	Biochemistry	4

## BIOL 310 or EXSC 310

Elective Credits 4

Item #	Title	Semester Hours
BIOL 310	Exercise Physiology	4
EXSC 310X	Exercise Physiology	4

## PHYS 110 or PHYS 201

Elective Credits 4

Item #	Title	Semester Hours
PHYS 110	College Physics I	4
PHYS 201	General Physics I	4

## PHYS 111 or PHYS 202

Elective Credits 4

Item #	Title	Semester Hours
PHYS 111	College Physics II	4
PHYS 202	General Physics II	4