

HEALTH SCIENCE, BS

Department Chair: Claire Watson, Ph.D.

During your undergraduate journey, you will prepare for a career in health care under the broad context of intellectual growth, academic excellence and engaged service to others. That's what sets SBU apart from other undergraduate experiences. The Bachelor of Science degree in Health Science will provide the opportunity to study courses in medical terminology, health research methods, nutrition and epidemiology. As seniors, students will intern under professionals in their chosen health field and engage during Senior Capstone in discussions of health issues with peers and professors. Graduates will be well prepared for immediate employment in health promotion or to successfully enter graduate studies in the high demand fields of allied health.

Students should select courses and sequence in close consultation with the academic advisor

Code	Title	Credits
Health Science Major Requirements		70
HS-101	INTRO TO HEALTH SCIENCE	
HS-102	MEDICAL TERMINOLOGY	
HS-107	Health-Related Fitness/Wellness	
HS-201	Research Methods in Health	
HS-301	EPIDEMIOLOGY	
HS-309	NUTRITION	
HS-401	SEMINAR: CURRENT TOPICS IN HEALTH SCIENCE	
HS-413	INTERNSHIP	
BIO-105 & BIOL-105	BIOLOGICAL SCIENCE I and BIOLOGICAL SCI. I LAB	
BIO-106 & BIOL-106	BIOLOGICAL SCIENCE II and BIOLOGICAL SCI. II LAB	
CHEM-101 & CHML-101	GENERAL CHEMISTRY I and GEN CHEM I LAB	
CHEM-102 & CHML-102	GENERAL CHEMISTRY II and GEN CHEM II LAB	
PHIL-338	HEALTH CARE ETHICS	
PSYC-101	INTRO TO PSYCHOLOGY	

Select one of the following:

BIO-211 & BIOL-211 & BIO-212 & BIOL-212	HUMAN ANATOMY & PHYSIOLOGY and HUMAN ANAT & PHYSIOL LAB and HUMAN ANATOMY & PHYSIOLOGY and Human Anat & Physiol Lab	
BIO-331 & BIOL-331 & BIO-332 & BIOL-332	PHYSIOL & ANAT OF HUMAN I and PHYSIOL & ANAT HUMAN I LAB and PHYSIOL & ANAT OF HUMAN II and PHYSIO/ANAT OF HUMAN LAB II	

Health Science Electives¹

Select three of the following:

BIO-291	GENETICS	
BIO-292	CELL BIOLOGY	
BIO-321 & BIOL-321	GEN. MICROBIOLOGY and Gen Microbiology Lab	
BIO-371	BIOCHEMISTRY	
CHEM-301 & CHML-301	ORGANIC CHEMISTRY I and ORGANIC CHEM I LAB	

EDUC-210	HUMAN DEVELOPMENT & LEARNING	
EDUC-250	ADOLESCENT DEVELOPMENT & LEARNING	
PHED-312	BIO-KINESIOLOGY	
HS-314 & 314L	EXERCISE PHYSIOLOGY and EXERCISE PHYSIOLOGY LAB	
PHED-208	PREVENTION/CARE INJURIES	
PHED-311	PHYS ACT FOR PERSONS W DISABILITIES	
PHYS-103 & PHYL-103	GENERAL PHYSICS I and GENERAL PHYSICS I LAB	
PHYS-104 & PHYL-104	GENERAL PHYSICS II and GENERAL PHYSICS LAB II	
PSYC-215	MALADAPTIVE BEHAVIOR	
PSYC-330		
SOC-408	HEALTH AND ILLNESS	
General Education Requirements (https://catalog.sbu.edu/undergraduate/degree-requirements/)		37
General Electives		13
Total Credits		120

¹ Students must also choose three electives from the following list: BIO-291, BIO-292, BIO-321/BIOL-321, BIO-371, CHEM-301/CHML-301, EDUC-210, EDUC-250, HS-314, HS-314L, PHED-208, PHED-311, PHED-312, PHYS-103/PHYL-103, PHYS-104/PHYL-104, PSYC-215, PSYC-330, and SOC-408 .

General electives are needed when a major course is also fulfilling one of the General Education Distributions.

Students must complete one course with diversity (D) coding and one writing intensive course (W). These courses do not need to be additional courses, but can be ones that also fill another requirement.

The following lists recommended for students who want to pursue graduate studies in Allied Health Fields. Students can use major electives and general electives for these courses.

Health Science – Social, Physical and Psychological Development Concentration (13 credit hours)

Students should research graduate programs and career goals when developing their plan of study and work in close consultation with the academic advisor.

Code	Title	Credits
PHYS-103 & PHYL-103	GENERAL PHYSICS I and GENERAL PHYSICS I LAB	4
SOC-101	INTROD. SOCIOLOGY (or other approved SOC course)	3
EDUC-210 or EDUC-250	HUMAN DEVELOPMENT & LEARNING ADOLESCENT DEVELOPMENT & LEARNING	3
PSYC-215	MALADAPTIVE BEHAVIOR	3
Total Credits		13

Health Science – Kinesiology Concentration (11 credit hours)

Students should research graduate programs and career goals when developing their plan of study and work in close consultation with the academic advisor.

Code	Title	Credits
PHYS-103 & PHYL-103	GENERAL PHYSICS I and GENERAL PHYSICS I LAB	4
PHYS-104 & PHYL-104	GENERAL PHYSICS II and GENERAL PHYSICS LAB II	4
Select one of the following:		3
EDUC-210	HUMAN DEVELOPMENT & LEARNING	
EDUC-250	ADOLESCENT DEVELOPMENT & LEARNING	
PSYC-224		
PSYC-225		
Total Credits		11

Health Science – Biomedical Concentration (10 credit hours)

Students should research graduate programs and career goals when developing their plan of study and work in close consultation with the academic advisor.

Code	Title	Credits
BIO-291	GENETICS	3
BIO-321 & BIOL-321	GEN. MICROBIOLOGY and Gen Microbiology Lab	4
CHEM-301 & CHML-301	ORGANIC CHEMISTRY I and ORGANIC CHEM I LAB	4
BIOL-321	Gen Microbiology Lab	0
Total Credits		11

Graduation Requirements for Health Science

All degree requirements must be completed satisfactorily to graduate. These include:

- Application for Graduation and Degree Audit (Registrar)
- 2.0 GPA overall
 - While a 2.0 cumulative GPA is required for graduation, students should note that admission to graduate programs in Allied Health are very competitive often requiring a cumulative GPA of 3.0 or better.

Students should select courses and sequence in close consultation with the academic advisor.

First Year			
Fall	Credits	Spring	Credits
SBU-101	2	ENG-102	3
SBU-102	1	HS-107	3
ENG-101	3	HS-102	1
HS-101	3	BIO-106 & BIOL-106	4
BIO-105 & BIOL-105	4	CHEM-102 & CHML-102	4

CHEM-101 & CHML-101	4		
		17	15
Second Year			
Fall	Credits	Spring	Credits
BIO-211 & BIOL-211 ¹	4	HS-201	3
PSYC-101	3	BIO-212 & BIOL-212	4
MATH-107 or 117	3	THFS-101	3
General Elective	3	Historical Studies Distribution	3
Diversity Gen Ed Course		General Elective	3
		13	16
Third Year			
Fall	Credits	Spring	Credits
HS-301		3 Franciscan Studies/Theology Distribution	3
HS-309		3 Health Science Elective	3
Literature & the VPA Distribution		3 General Elective	3
General Elective		3 General Elective	3
HS Concentration Course		3 HS Concentration Course	3
Health Science Elective		3 Writing Intensive Gen Ed Course	
		18	15
Fourth Year			
Fall	Credits	Spring	Credits
HS-413		3 HS-401	3
General Elective		3 General Elective	3
HS Concentration Course		3 Health Science Elective	3
General Elective		3 General Elective	3
General Elective		3	
		15	12
Total Credits 121			

¹ BIO-331/BIOL-331 may be substituted for BIO-211/BIOL-211 in consultation with advisor.