

B.S. Health Science, Health Science Concentration

Program Admissions Requirements

There are no program admission requirements for the B.S. in Health Science.

General Education

The listing below includes program requirements that also fulfill General Education requirements.

Code	Title	Credits
Objective 1		6
Objective 2		3
Objective 3 - MATH 1153 or MGT 2216 ¹		3
Objective 4		6
Objective 5 - Biology and Chemistry requirements in core and concentration fulfill this objective.		7
Objective 6 - PSYC 1101 and SOC 1101		6
Students must fulfill Objective 7 or Objective 8		3
Objective 7		
Objective 8		
Objective 9		3
Total Credits		37

¹ "P" courses are equivalent to the original course.

Major Requirements

Code	Title	Credits
Choose one of the following:		4
BIOL 2227 & 2227L	Human Anatomy and Physiology 1 and Human Anatomy and Physiology 1 Lab (Partially fulfills Objective 5)	
or		
BIOL 3301 & 3301L	Advanced Human Anatomy and Physiology 1 and Advanced Human Anatomy and Physiology 1 Lab	
(BIOL 3301 has a prerequisite of BIOL 1101 or BIOL 2227, either of which will partially fulfill Objective 5.)		
BIOL 3301 & BIOL 3301L are HIGHLY RECOMMENDED for any students interested in pursuing professional degrees in chiropractic, dentistry, allopathic and osteopathic medicine, occupational therapy, optometry, physical therapy, physician assistant studies, and veterinary studies.		
CPH 2200	Promoting Wellness	3
DHS 4426	Evidence Based Research in Health Sciences	3
Choose one of the following:		2
CPH/HCA 2210	Medical Terminology and Communication	
HO 1106	Medical Terminology	
Professional Competencies - Choose one of the following:		3

CPH 4405	Leadership and Policy	
HCA 4475	Health Law and Bioethics	
HO 1107	Medical Law and Ethics	
PHIL 2230	Medical Ethics	
PHIL 4456	Ethical Issues in Healthcare Law and Policy	
Healthcare Competencies		3
ANTH 4411	Advanced Global Health	
CPH 4432	Community and Public Health	
GLBL 4420	Global Health and Policy	
HCA 1115	Global Health Systems	
SOC 3330	Sociology of Health and Illness	
Communication Competencies		2-3
CMP 3308	Groups and Communication	
CMP 3309	Communication Inquiry	
CPH 4410	Health Behavior Change Theory and Application	
CMP 4422	Conflict Management	
CPH 4425	Patient Education Skills	
COUN 3300	Interpersonal Skills in Health Professions	
CPH 4446	Communication Strategies in Community and Public Health	
CPH 4451	Basic Addiction Treatment Skills	
ENGL 3307	Professional and Technical Writing	
Cultural Competencies - Choose one of the following:		0-3
Some courses in this group also fulfill one of the three previous competency areas. The credits for these courses are not counted twice if the course was chosen to complete an earlier core area.		
ANTH 4407	Anthropology of Global Health	
ANTH 4408	Topics in Medical Anthropology	
ANTH 4409	Clinical Medical Anthropology	
COUN 3300	Interpersonal Skills in Health Professions	
CPH 4425	Patient Education Skills	
DHS 4402	Survey of Aging Issues	
HCA 4475	Health Law and Bioethics	
SOC 2248	Critical Analysis of Social Diversity	
SPAN 2210	Spanish for Health Care I	
Students must have an overall 2.0 Grade Point Average (GPA) in BS Health Science Core courses with no grades below a C-.		
Total Credits		20-24

Concentration Requirements

Code	Title	Credits
Health Science Electives		
Choose an ADDITIONAL 12 credits from the Health Science core or other approved health science elective courses. Double counting with competency coursework is NOT allowed. Some courses may require additional prerequisite coursework.		12
ANTH 4407	Anthropology of Global Health	
ANTH 4408	Topics in Medical Anthropology	
ANTH 4409	Clinical Medical Anthropology	
ANTH 4411	Advanced Global Health	
BIOL 2229	Introduction to Pathobiology	
BIOL 3306	Healthspan	
BIOL 3324	Developmental Biology	
BIOL 3324L	Developmental Biology Lab	
BIOL 3358	Genetics	
BIOL 4400	Oral Histology and Embryology	
BIOL 4400L	Oral History and Embryology Lab	
BIOL 4432	Biochemistry	
BIOL 4451	Immunology	
BIOL 4451L	Immunology Laboratory	
CHEM 3301	Organic Chemistry I	
CHEM 3303	Organic Chemistry Laboratory I	
CHEM 3302	Organic Chemistry II	
CHEM 3304	Organic Chemistry Laboratory II	
CMP 3308	Groups and Communication	
CMP 3309	Communication Inquiry	
CMP 4422	Conflict Management	
CPH 3340	Fitness and Wellness Programs	
CPH 4401	Issues in Health and Wellness	
CPH 4405	Leadership and Policy	
CPH 4410	Health Behavior Change Theory and Application	
CPH 4425	Patient Education Skills	
CPH 4432	Community and Public Health	
CPH 4446	Communication Strategies in Community and Public Health	
CPH 4451	Basic Addiction Treatment Skills	
COUN 3300	Interpersonal Skills in Health Professions	
DHS 4401	Mindfulness in Health Science	
DHS 4402	Survey of Aging Issues	
DHS 4403	Interprofessional Systems in Geriatric Management	
DHS 4404	Geriatric Interprofessional Collaborative Practice Internship	
DHS 4405	Effects of Mindfulness Practice	
DHS 4406	The Mindful Practitioner	
DHS 4408	Mindful Self-Compassion	
DHS 4410	Fundamentals of Mindfulness	
DHS 4411	Introduction to Mindfulness Practice	
DHS 4480	Genetics for Health Care Professionals	
ENGL 3307	Professional and Technical Writing	

GLBL 4420	Global Health and Policy	
HO 1107	Medical Law and Ethics	
HCA 1115	Global Health Systems	
HCA 4410	Management of Healthcare Provider Organizations	
HCA 4415	Physician Practice Management	
HCA 4420	The Business of Healthcare	
HCA 4460	Healthcare Quality and Performance Improvement	
HCA 4475	Health Law and Bioethics	
HCA 4480	Long-Term Care Management	
HPSS 3301	Physiology of Exercise	
HPSS 3301L	Physiology of Exercise Laboratory	
NTD 4461	Nutritional Biochemistry I	
PHIL 2230	Medical Ethics	
PHIL 4456	Ethical Issues in Healthcare Law and Policy	
PSYC 3301	Psychopathology	
SOC 2248	Critical Analysis of Social Diversity	
SOC 3330	Sociology of Health and Illness	
SPAN 2210	Spanish for Health Care I	
DHS 1110	Introduction to Health Professions	3
Choose one of the following:		4
BIOL 2228 & 2228L	Human Anatomy and Physiology 2 and Human Anatomy and Physiology 2 Lab	
OR		
BIOL 3302 & 3302L	Advanced Human Anatomy and Physiology 2 and Advanced Human Anatomy and Physiology 2 Lab	
BIOL 3302 & BIOL 3302L are RECOMMENDED for any students interested in pursuing professional degrees in chiropractic, dentistry, allopathic and osteopathic medicine, occupational therapy, optometry, physical therapy, physician assistant studies, and veterinary studies.		
Choose one of the following biology courses with lab:		4
BIOL 2233 & 2233L	Principles of Microbiology and Principles of Microbiology Lab	
BIOL 2206 & BIOL 2207	Cell Biology and Cell Biology Laboratory	
Choose one of the following chemistry sequences:		7-9
CHEM 1101 & CHEM 1102 & CHEM 1103	Introduction to Chemistry and Essentials of Organic and Biochemistry and Essentials of Organic and Biochemistry Laboratory	
CHEM 1111 & 1111L & CHEM 1112 & CHEM 1112L	General Chemistry I and General Chemistry I Lab and General Chemistry II and General Chemistry II Lab	
CHEM 1111 has a prerequisite of MATH 1143. Please consult with your advisor to determine which course is appropriate for your career goals.		
Either option partially fulfills Objective 5		
Choose one of the following physics courses:		4

PHYS 1100	Essentials of Physics (Partially fulfills Objective 5)
PHYS 1111 & PHYS 1113	General Physics I and General Physics I Laboratory (Partially fulfills Objective 5)

PHYS 1100 has a prerequisite of MATH 1108 or equivalent. MATH 1153 DOES NOT serve as an equivalent. PHYS 1111 has a prerequisite of MATH 1143 or MATH 1147 or equivalent. Please consult with your advisor to determine which course is appropriate for your career goals.

MATH 1153	Statistical Reasoning (Either course fulfills Objective 3)	3
or MGT 2216	Business Statistics	
NTD 2239/3340	Nutrition (Partially fulfills Objective 5)	3
PSYC 1101	Introduction to Psychology (Partially fulfills Objective 6)	3
SOC 1101	Introduction to Sociology (Partially fulfills Objective 5)	3

Students must have an overall 2.0 Grade Point Average (GPA) in Health Science Concentration courses with no grades below a C-.

Total Credits **46-48**

Degree Totals

Code	Title	Credits
	Program Admission Requirements	0
	General Education	37
	Core Requirements (w/o General Education)	16-20
	Concentration Requirements (w/o General Education)	16-18
	Upper Division Free Electives	24
	Free Electives	16-20
	Total Credits	120

ISU Degree Requirements (<https://coursecat.isu.edu/undergraduate/degerequirements/>)

ISU General Education (<https://coursecat.isu.edu/undergraduate/academicinformation/generaleducation/>)

Major Academic Plan (MAP)