

# B.S. Health Science, Emergency Medical Services 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 <sup>1</sup>		3
Objective 4		6
Objective 5 - Core requirements will fulfill 4 credits of Objective 5		7
Objective 6		6
<b>Students must fulfill Objective 7 or Objective 8</b>		<b>3</b>
Objective 7		
Objective 8		
Objective 9		3
<b>Total Credits</b>		<b>37</b>

<sup>1</sup> "P" courses are equivalent to the original course.

## Major Requirements

Code	Title	Credits
<b>Choose one of the following:</b>		<b>4</b>
BIOL 2227 & 2227L	Human Anatomy and Physiology 1 and Human Anatomy and Physiology 1 Lab	
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 (Prerequisite: Grade of C- or better in MATH 1153 or MGT 2216)	3
MATH 1153	Statistical Reasoning (Satisfies General Education Objective 3)	3
or MGT 2216	Business Statistics	
<b>Choose one of the following:</b>		<b>2</b>

CPH/HCA 2210	Medical Terminology and Communication	
HO 1106	Medical Terminology	
<b>Professional Competencies - Choose one of the following:</b>		<b>3</b>
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	
<b>Healthcare Competencies - Choose one of the following:</b>		<b>3</b>
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	
<b>Communication Competencies - Choose one of the following:</b>		<b>2-3</b>
CMP 3308	Groups and Communication	
CMP 3309	Communication Inquiry	
CMP 4422	Conflict Management	
CPH 4410	Health Behavior Change Theory and Application	
CPH 4425	Patient Education Skills	
CPH 4451	Basic Addiction Treatment Skills	
CPH 4446	Communication Strategies in Community and Public Health	
COUN 3300	Interpersonal Skills in Health Professions	
ENGL 3307	Professional and Technical Writing	
<b>Cultural Competencies - Choose one of the following:</b>		<b>0-3</b>
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	
<b>Students must have an overall 2.0 Grade Point Average (GPA) in BS Health Science Core courses with no grades below a C-.</b>		
<b>Total Credits</b>		<b>23-27</b>

<sup>1</sup> Community and Public Health Non-teaching Minor (21 credits) - available for those students with a Community and Public Health focus (see specific

HE course listings in the Community and Public Health section (<https://coursecat.isu.edu/undergraduate/college-of-health/community-and-public-health/>) of the Undergraduate Catalog). This minor would meet the elective credits required for the degree.

## Concentration Requirements

Code	Title	Credits
EMS 3300	Foundations of Emergency Medical Services Systems	3
EMS 3335	Management of Emergency Medical Services	3
EMS 4409	Emergency Medical Services Internship	3
9 credits of electives from one of the following tracks (Electives should be chosen in consultation with an advisor.)		9
<b>Leadership Management Track <sup>1</sup></b>		
EMS 3310	Development and Strategic Planning	
EMS 3320	Disaster Response Planning and Management	
HCA 4453	Healthcare Finance	
HCA 4475	Health Law and Bioethics	
CPH 2221	Introduction to Community and Public Health	
CPH 4410	Health Behavior Change Theory and Application	
CPH 4420	Program Planning	
ECON 4440	Economics of Health Care	
HSEM 4410	Policies, Civil Rights and Leadership	
HSEM 4415	Strategic Planning & Budgeting	
HSEM 4464	Disaster Response and Recovery	
HSEM 4540	Health and Medical Disaster Management	
FSA 3331	Community Risk Reduction for Fire and Emergency Services	
MGT 3312	Individual and Organizational Behavior	
POLS 4405	Introduction to Public Administration	
POLS 4454	Public Personnel Management	
<b>Clinical Track <sup>1</sup></b>		
(BIOL 2233/BIOL 2233L, BIOL 4432, and BIOL 4445 meet prerequisite requirements for Master's in Physician Assistant Studies.)		
BIOL 2233 & 2233L	Principles of Microbiology and Principles of Microbiology Lab	
BIOL 4432	Biochemistry	
BIOL 4445	Biochemistry I	
CHEM 1111 & 1111L	General Chemistry I and General Chemistry I Lab	
CHEM 1112 & 1112L	General Chemistry II and General Chemistry II Lab	
CHEM 3301 & CHEM 3303	Organic Chemistry I and Organic Chemistry Laboratory I	
HSEM 4464	Disaster Response and Recovery	
HSEM 4540	Health and Medical Disaster Management	

FSA 3329	Political and Legal Foundations of Fire Protection
FSA 3331	Community Risk Reduction for Fire and Emergency Services
HCA 4475	Health Law and Bioethics
CPH 2221	Introduction to Community and Public Health
CPH 3340	Fitness and Wellness Programs
CPH 3342	Stress Management
CPH 4406	Epidemiology
CPH 4410	Health Behavior Change Theory and Application
CPH 4420	Program Planning
CPH 4425	Patient Education Skills
CPH 4430	Curriculum and Methods in Health Education
CPH 4432	Community and Public Health
CPH 4415	Research Methods in Public Health
MGT 3312	Individual and Organizational Behavior
PSYC 3301	Psychopathology

### Educational Track <sup>1</sup>

HSEM 4540	Health and Medical Disaster Management
EMS 3310	Development and Strategic Planning
EMS 3320	Disaster Response Planning and Management
HCA 4475	Health Law and Bioethics
CPH 2221	Introduction to Community and Public Health
CPH 3340	Fitness and Wellness Programs
CPH 3342	Stress Management
CPH 4410	Health Behavior Change Theory and Application
CPH 4420	Program Planning
CPH 4430	Curriculum and Methods in Health Education
CPH 4432	Community and Public Health
CPH 4415	Research Methods in Public Health
MGT 3312	Individual and Organizational Behavior

**Students must complete all Emergency Medical Services Concentration courses with a grade of "C" or higher.**

<b>Total Credits</b>	<b>18</b>
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## Degree Totals

Code	Title	Credits
	Program Admission Requirements	0
	General Education	37
	Major Requirements (Required General Education credits removed)	16-20
	Concentration Requirements	18
	Upper Division Free Electives	25-24
	Free Electives	24-21
<b>Total Credits</b>		<b>120</b>

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

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

Major Academic Plan (MAP) (<https://www.isu.edu/advising/maps/>)