

B.S. Health Science, Emergency Medical Services Concentration

Program Admissions Requirements

Students must be a graduate of or be enrolled in a health related program that awards an associate degree in Paramedic Science.

General Education

General Education requirements are met with an A.S. in Paramedic Science.

Core 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.)		
DHS 4426	Evidence Based Research in Health Sciences	3
HE 2200	Promoting Wellness	3
Choose one of the following: 2		
HE/HCA 2210	Medical Terminology and Communication	
HO 0106	Medical Terminology	
Professional Competencies - Choose one of the following: 3		
HCA 2215	Healthcare Leadership	
HCA 4475	Health Law and Bioethics ¹	
HO 0107	Medical Law and Ethics	
PHIL 2230	Medical Ethics	
Healthcare Competencies - Choose one of the following: 3		
ECON 4440	Economics of Health Care	
HCA 1115	US Health System	
HCA 3340	Healthcare Policy ¹	
Communication Competencies - Choose one of the following: 3		
ANTH 4409	Clinical Medical Anthropology	
CMP 3308	Groups and Communication	
CMP 4422	Conflict Management	
COUN 3300	Interpersonal Skills in Health Professions	
ENGL 3307	Professional and Technical Writing ¹	
HE 4410	Health Behavior Change Theory and Application	
HE 4425	Patient Education Skills	
Diversity 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 4409	Clinical Medical Anthropology
COUN 3300	Interpersonal Skills in Health Professions
HCA 4475	Health Law and Bioethics
HE 4425	Patient Education Skills

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 21-24

¹ Recommended courses that also fulfill ISU degree requirements for upper division credits.

Concentration Requirements

Code	Title	Credits
EMS 3300	Emergency Medical Services Operations and Management	3
EMS 3335	Emergency Medical Services Administration	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		
Leadership Management Track ²		
EMS 3310	Development and Strategic Planning	
EMS 3320	Disaster Response Planning and Management	
HCA 2215	Healthcare Leadership	
HCA 3340	Healthcare Policy	
HCA 3384	Human Resource Management in Healthcare Organizations	
HCA 4453	Healthcare Finance	
HCA 4465	Healthcare Operations and Quality	
HCA 4475	Health Law and Bioethics	
HE 2221	Introduction to Community and Public Health	
HE 4410	Health Behavior Change Theory and Application	
HE 4420	Health Program Planning and Implementation	
ECON 4440	Economics of Health Care	
EMGT 3301	Incident Command System Advanced	
EMGT 3305	Political and Policy Basis of Emergency Management	
EMGT 3307	Social Dimensions of Disaster	
EMGT 3308	Leading in Organizations	

EMGT 4420	Legal Issues in Emergency Management
EMGT 4421	Public Health Preparedness
FSA 3331	Community Risk Reduction for Fire and Emergency Services
MGT 3312	Individual and Organizational Behavior
POLS 4405	Democracy and Governance
POLS 4454	Public Workplace Issues

Clinical Track²

BIOL 2221/BIOL 2221L, BIOL 2235/BIOL 2235L, BIOL 4432, and BIOL 4445 meet pre-requisite requirements for Master's in Physician Assistant Studies.

HCA 4465	Healthcare Operations and Quality
HCA 4475	Health Law and Bioethics
HE 2221	Introduction to Community and Public Health
HE 3340	Fitness and Wellness Programs
HE 3342	Stress and Emotional Health
HE 3383	Epidemiology
HE 4410	Health Behavior Change Theory and Application
HE 4420	Health Program Planning and Implementation
HE 4425	Patient Education Skills
HE 4430	Curriculum and Methods in Health Education
HE 4432	Community and Public Health
HE 4435	Health Program Evaluation and Research
EMGT 3307	Social Dimensions of Disaster
EMGT 4420	Legal Issues in Emergency Management
FSA 3329	Political and Legal Foundations of Fire Protection
FSA 3331	Community Risk Reduction for Fire and Emergency Services
MGT 3312	Individual and Organizational Behavior
BIOL 2221 & 2221L	Introductory Microbiology and Introductory Microbiology Laboratory
BIOL 2235 & 2235L	General Microbiology and General Microbiology Lab
BIOL 3305	Introduction to Pathobiology
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
PSYC 3301	Abnormal Psychology

Educational Track^{2,3}

EMS 3310	Development and Strategic Planning
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EMS 3320	Disaster Response Planning and Management
HCA 4465	Healthcare Operations and Quality
HCA 4475	Health Law and Bioethics
HE 2221	Introduction to Community and Public Health
HE 3340	Fitness and Wellness Programs
HE 3342	Stress and Emotional Health
HE 4410	Health Behavior Change Theory and Application
HE 4420	Health Program Planning and Implementation
HE 4430	Curriculum and Methods in Health Education
HE 4432	Community and Public Health
HE 4435	Health Program Evaluation and Research
EMGT 3307	Social Dimensions of Disaster
EMGT 4421	Public Health Preparedness
MGT 3312	Individual and Organizational Behavior

Community Paramedic Track

Students must complete all courses within the Community Paramedic track to satisfy the track. In addition, successful completion of this track qualifies students to be awarded the Community Paramedic Academic Certificate.

CPAR 3400	Introduction to Community Paramedics
CPAR 3410	Introduction to Community Assessment
CPAR 4410	Community Assessment
CPAR 4420	Pathophysiology for the Community Paramedic
CPAR 4440	Community Paramedic Clinical Practicum

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

Total Credits	18
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² EMS students who take HE courses are required to take HE 2221 first.

³ 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 of the Undergraduate Catalog). This minor would meet the elective credits required for the degree.

Degree Totals

Code	Title	Credits
	Program Admission Requirements	0
	General Education (AS in Paramedic Science fulfills general education requirements)	0
	Core Requirements (w/Recommended Courses)	21
	Concentration Requirements	18
	Upper Division Free Electives (Upper Division Core and Elective choices will count here.) ⁴	15

Free Electives (Associates in Paramedic Science credits will count here.) ⁴	66
Total Credits	120

⁴ A student's work at previous institutions and choices in the core and concentration requirements will affect the number of Upper Division Free Electives and Free Electives that are required. Please see an advisor to plan how to meet these requirements.

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

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