

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 ¹ | | 3 |
| Objective 4 | | 6 |
| Objective 5 - Core requirements will fulfill 4 credits of Objective 5 | | 7 |
| Objective 6 | | 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 | |
| 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 |
| 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 - Choose one of the following: | | 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 - Choose one of the following: | | 2-3 |
| 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 | |
| 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 4406 | American Indian Health Issues | |
| 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 |

¹ 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 | 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 ¹

| | |
|-----------|--|
| 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 |

Clinical Track ¹

(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 ¹

| | |
|-----------|---|
| 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.

| | |
|----------------------|-----------|
| Total Credits | 18 |
|----------------------|-----------|

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 |
| Total Credits | | 120 |

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

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

Major Academic Plan (MAP)