

**Catalog Year 2019-2020**

**BS, Health Science w/ Emergency Medical Services (EMS)**

**Choose: Leadership, Clinical, Educational, or Community Paramedic Tracks\***

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| **Course Subject and Title** | **Cr.**  | **Min.** **Grade** | **\*GE,** **UU or UM** | **\*\*Sem. Offered** | **Prerequisite** | **Co Requisite** |
| Semester One |
| HE 2200 Promoting Wellness | 3 | C |  | F, S, Su |  |  |
| Either HE/HCA 2210 or HO 0106 Medical Terminology | 2 | C |  | F, S |  |  |
| BIOL 3301 and 3301L Anatomy and Physiology and Lab | 4 | C | UM | F, S | BIOL 1101 | BIOL 3301L |
| Health Care (select UD recommended from list) | 3 | C | UM |  |  |  |
| EMS 3300 EMS Operations and MGT | 3 | C | UM | D |  |  |
|  Total | 15 |  |  |  |  |  |
| Semester Two |
| DHS 4426 Evidence Based Research in Health Sciences | 3 | C | UM | F, S | MATH 1153 or MGT 2216 |  |
| Communication Core (select UD recommended from list) | 3 | C | UM |  |  |  |
| Diversity Core ( select UD recommended from list ) | 0-3 | C | UM |  |  |  |
| Professional Competencies (select UD recommended from list) | 3 | C | UM |  |  |  |
| EMS 3335 EMS Administration | 3 | C | UM | D |  |  |
|  Total  | 12 - 15 |  |  |  |  |  |
| Semester Three |
| EMS 4409 EMS Internship | 3-6 | C | UM | D | Permission of instructor |  |
| TRACK course (choose UD when possible for 36 UD credit requirement) | 3 | C | UM |  |  |  |
| TRACK course (choose UD when possible for 36 UD credit requirement) | 3 | C | UM |  |  |  |
| TRACK course (choose UD when possible for 36 UD credit requirement) | 3 | C | UM |  |  |  |
| Free Electives to reach 36 UD credits | 0-2 |  |  |  |  |  |
|  Total | 12-15 |  |  |  |  |  |
| Semester Four |
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| Semester Five |
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| Semester Six |
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| Semester Seven |
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| Semester Eight  |
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|  Total  |  |  |  |  |  |  |

A Major Academic Plan (MAP) is one way to complete a degree in a set number of semesters. The *example* below is an efficient strategy only. This plan assumes completion of the AS Paramedic Science degree. Actual plans for individual students will vary based on advisor recommendations and academic needs. Official Program Requirements including Major, General Education, Elective, and university requirements (see pg.2) are based on Catalog Year.

\*The Community Paramedic Track will require different semester sequencing. Contact Dept. Advisor Rachel Azzarito to discuss.

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| **2019-2020 Major Requirements** | **CR** | **GENERAL EDUCATION (GE) OBJECTIVES****Satisfy Objectives 1,2,3,4,5,6, 7 or 8, and 9** | **36 cr. min** |
| **BS HS Emergency Medical Services Major Requirements** | **124-130** | **GE satisfied by completing the AS in Paramedic Science** |  |
| Associate of Science in Paramedic Sciences¹ | 85 |  |
| **Major Requirements beyond the AS** | **39-45** |
| Health Science Core 2,3 | 21-24 |
| **BSHS Core Required Courses** | **12** |
| HE 2200 Promoting Wellness**o** | 3 |
| Either HE/HCA 2210 or HO 0106 Medical Terminology**o** | 2 |
| BIOL 3301**o** & 3301L Anatomy and Physiology and Lab or BIOL 2227 & 2227L Human Anatomy and Physiology 1 & Lab | 4 |
| DHS 4426 Evidence Based Research in Health Sciences**o** | 3 |
| **Professional Competencies (Select one)** | **3** |
| HCA 2215 Healthcare Leadership HCA 4475 Health Law and Bioethics**o** |
| HO 0107 Medical Law and Ethics**o** PHIL 2230 Medical Ethics**o** |
| **Health Care (Select one)** | **3** |
| ECON 3303 Econ of Health Care HCA 1115 US Health System**o** |
| HCA 3340 Healthcare Policy**o** |
| **Communication (Select one)** | **3** |
| ANTH 4409 Clinical Medical Anthropology CMP 3308 Groups and Communication  |
| CMP 4422 Conflict Management  |
| HE 4410 Health Behavior Change**o** HE 4425 Patient Education Skills**o**(2 cr) |
| ENGL 3307 Professional and Technical Writing**o**COUN 3300 Interpersonal Skills in Health Professions**o** |
| **Diversity\*** | **0-3** | Undergraduate Catalog and GE Objectives by [Catalog Year](https://www.isu.edu/advising/academic-support/general-education/)  |
| ANTH 4407 Anthropology of Global Health**o**ANTH 4409 Clinical Medical AnthropologyCOUN 3300 Interpersonal Skills in Health Professions (2 cr)HCA 4475 Health Law and Bioethics**o**HE 4425 Patient Education Skillso (2 cr) |
| **EMS Concentration** | **9-12** | **MAP Credit Summary** | **CR** |
| EMS 3300 Emergency Medical Services Operations and Mgt | 3 | Major  | 39-45 |
| EMS 3335 Emergency Medical Services Administration | 3 | General Education & Minor | 85 |
| EMS 4409 Emergency Medical Services Internship | 3-6 | Upper division free electives | 0-2 |
| **Approved Electives**⁴ (choose 1 track) | **9** |  |  |
| In consultation with advisor, select 9 credits from Track lists. <http://coursecat.isu.edu/> See catalog for course options for each Track. **Upper Division courses are recommended:**Leadership Management TrackClinical TrackEducational Track Community Paramedic Track |  TOTAL | **124-130** |
| **Graduation Requirement Minimum Credit Checklist** | **Confirmed** |
| Minimum 36 cr. General Education Objectives (15 cr. AAS) | x |
| **Upper Division Free Electives** (if needed) | 0-2 | Minimum 16 cr. Upper Division in Major (0 cr. Associate) |  | x |
|  | Minimum 36 cr. Upper Division Overall (0 cr. Associate) |  | x |
|  | Minimum of 120 cr. Total (60 cr. Associate) |   | x |
|  |  |  |
| **Advisor Notes** | ***MAP Completion Status (for internal use only)*** |
| \*Diversity - courses in this group also satisfy other Core Competencies. Credits will be counted once. Be cautious of meeting UD credit requirements. |  | *Date* |
| *Department:*  |  |
| **o**Indicates course is offered online  | *CAA or COT:* | 4.8.2019 jh |
| **Red courses** are recommended to meet upper-division requirement | *Registrar:*  |  |
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 Form Revised 8.24.2018

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| ***Electives (minimum of 9 credits): 4*** |
| ***Leadership Management Track5*** |
| 9 cr | EMS 3310 (3 cr) | Development and Strategic Planning |   |
| EMS 3320 (3 cr) | Disaster Response Planning and Mgmt |   |
| HCA 2215 (3 cr) | Healthcare Leadership |   |
| HCA 3340 (3 cr) | Healthcare Policy  |   |
| HCA 3384 (3 cr) | Human Resource Mgmt in Healthcare |   |
| HCA 4453 (3 cr) | Healthcare Finance (Pre Req: Fin 3315 Corp Fin Mgt) |   |
| HCA 4465 (3 cr) | Healthcare Operations and Quality  |   |
| HCA 4475 (3 cr) | Health Law and Bioethics  |   |
| HE 2221 (3 cr) | Introduction to Health Education |   |
| HE 4410 (3 cr) | Health Behavior Change Theories  |   |
| HE 4420 (3 cr) | Health Program Planning and Implem  |   |
| ECON 3303 (3 cr) | Economics of Health Care (Pre Req: ECON 2202) |   |
| EMGT 3301 (3 cr) | ICS -Advanced (Pre Req: EMGT 1101) |   |
| EMGT 3305 (3 cr) | Political and Policy Basis of Emer Mgt (POLS 1101) |   |
| EMGT 3307 (3 cr) | Social Dimensions of Disaster (Pre Req: EMGT 2224) |   |
| EMGT 3308 (3 cr) | Leading in Organizations  |   |
| EMGT 4420 (3 cr) | Legal Issues in Emergency Mgmt (Pre Req: EMGT 1121) |   |
| EMGT 4421 (3 cr) | Public Health Preparedness (Pre Req: EMGT 1121) |   |
| FSA 3329 (3 cr) | Political and Legal Foundations of Fire (Pre Req: EMGT 2221) |   |
| FSA 3331 (3 cr) | Cmty Risk Reduction Fire & Emcy Svs (Pre Req: FSA 1103 & 1106) |   |
| MGT 3312 (3 cr) | Individual and Organizational Behavior |  |
| POLS 4405 (3 cr) | Democracy and Governance |  |
| POLS 4441 (3 cr) | Administrative Law |  |
| POLS 4454 (3 cr) | Public Workplace Issues |   |
| ***Clinical Track5*** |
| 9 cr | HCA 4465 (3 cr) | Healthcare Operations and Quality |  |
| HCA 4475 (3 cr)  | Health Law and Bioethics  |  |
| HE 2221 (3 cr)  | Introduction to Health Education  |  |
| HE 3340 + L (3 cr) | Fitness and Wellness Programs+ Lab |  |
| HE 3342 (3 cr)  | Stress and Emotional Health |  |
| HE 3383 (3 cr)  | Epidemiology (Pre Req: Math 1153 & MGT 2216) |  |
| HE 4410 (3 cr)  | Health Behavior Change Theory |  |
| HE 4420 (3 cr)  | Health Program Planning and Implem (HE 4410) |  |
| HE 4425 (2 cr) | Patient Education Skills |  |
| HE 4430 (3 cr)  | Curriculum & Methods in Health Ed |  |
| HE 4432 (3 cr)  | Community and Public Health (HE 4410) |  |
| HE 4435 (3 cr)  | Health Program Eval & Research (HE 4420) |  |
| EMGT 3307 (3 cr)  | Social Dimensions of Disaster (EMGT 2224) |  |
| EMGT 4420 (3 cr)  | Legal Issues in Emergency Mgmt (EMGT 1121) |  |
| EMGT 4421 (3 cr)  | Public Health Preparedness (EMGT 1121) |  |
| FSA 3329 (3 cr)  | Political and Legal Foundations of Fire (FSA 1106 & 2202) |  |
| FSA 3331 (3 cr)  | Cmty Risk Reduction Fire & Emcy Svs (FSA 1103 & FSA 1106) |  |
| MGT 3312 (3 cr)  | Individual and Organizational Behavior (ENG 1102) |  |
| BIOL 2221 + L (4 cr) | Introductory Microbiology6 Several Pre Reqs |  |
| or BIOL 2235 + L (4 cr) | General Microbiology6 Several Pre Reqs |  |
| BIOL 3305 (3 cr) | Introduction to Pathobiology Several Pre Reqs |  |
| BIOL 4432 (3 cr)  | Biochemistry6 Several Pre Reqs |  |
| or BIOL 4445 (3 cr)  | Biochemistry I6 Several Pre Reqs |  |
| CHEM 3301 + L (4 cr) | Organic Chemistry I6 Several Pre Reqs |  |
| and CHEM 3302 + L (4 cr) | Organic Chemistry I6 Several Pre Reqs |  |
| PSYCH 3301 (3 cr) | Abnormal Psychology I (PSYCH 1101) |   |
| ***Educational Track5,7*** |
| 9 cr | EMS 3310 (3 cr) | Development and Strategic Planning |  |
| EMS 3320 (3 cr) | Disaster Response Planning and Mgmt |  |
| HCA 4465 (3 cr) | Health Care Operations and Quality |  |
| HCA 4475 (3 cr) | Health Law and Bioethics  |  |
| HE 2221 (3 cr) | Introduction to Health Education  |  |
| HE 3340 + L (3 cr) | Fitness and Wellness Programs+ Lab |  |
| HE 3342 (3 cr) | Stress and Emotional Health |  |
| HE 4410 (3 cr) | Health Behavior Change Theory |  |
| HE 4420 (3 cr) | Health Program Planning and Implem (HE 4410) |  |
| HE 4430 (3 cr) | Curriculum & Methods in Health Ed |  |
| HE 4432 (3 cr) | Community and Public Health (HE 4410) |  |
| HE 4435 (3 cr) | Health Program Eval & Research (HE 4420) |  |
| EMGT 3307 (3 cr) | Social Dimensions of Disaster (EMGT 1121 & 2224) |  |
| EMGT 4421 (3 cr) | Public Health Preparedness (EMGT 1121) |  |
| MGT 3312 (3 cr) | Individual and Organizational Behavior (ENG 1102) |  |
| ***Community Paramedic Track8*** |
| 9 cr | CPAR 3400 (2 cr) | Intro to Community Paramedics |  |
| CPAR 3410 (1 cr) | Intro to Community Assessment |  |
| CPAR 4410 2(cr) | Community Assessment |  |
| CPAR 4420 (1 cr) | Pathophysiology for the CP |  |
| CPAR 4440 (3 cr) | Comm Paramedic Clin Practicum |  |
| **Greyed out courses are offered online (web)** |

1Students must be a graduate of or be enrolled in a health related program that awards an associate degree in Paramedic Science. Students with an Associate of Applied Science Degree in Paramedic Science may transfer up to a maximum of 50 credits from this degree (all lower division credits).

2Only 14-18 credits are needed from the BS in Health Science Core if BIOL 3301 and HCA 2210/ HE 2210 were completed during the Associate of Science degree.

3 Students must satisfy the Bachelor of Science in Health Science core requirements as listed in the Undergraduate Catalog and the requirements listed above for the Emergency Medical Services (EMS) concentration.

**4 Electives should be chosen in consultation with advisor.**

5 EMS students who take HE courses are required to take HE 2221 first.

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

7 Health Education Non-teaching Minor (21 credits) - available for those students with a Health Education focus (see specific HE course listings in the Health Education and Promotion section of the Undergraduate Catalog). This minor would meet the elective credits required for the degree.

8 Students must complete all courses within the Community Paramedic Track to be awarded the Community Paramedic designation.