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| **Catalog Year 2021-2022**B.S., Health Science w/ Emergency Medical Services (EMS) Choose: Leadership, Clinical, Educational, or Community Paramedic Tracks\* | ***(For internal use only)***[ ]  *No change*[ ]  *UCC proposal* |



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.

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| **Course Subject and Title** | **Cr.**  | **Min.** **Grade** | **\*GE,** **UU or UM** | **\*\*Sem. Offered** | **Prerequisite** | **Co Requisite** |
| Semester One |
| CPH 2200 Promoting Wellness | 3 | C |  | F, S, Su |  |  |
| Either CPH/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 |  |  |  |  |  |

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

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| **2020-2021 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** |
| CPH 2200 Promoting Wellness **o** | 3 |
| Either CPH/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** |
| CPH 4405 Leadership and Policy HCA 4475 Health Law and Bioethics**o**HO 0107 Medical Law and Ethics**o** PHIL 2230 Medical Ethics**o**PHIL 4456 Ethical Issues in Healthcare Law and Policy |
| **Health Care (Select one)** | **3** |
| HCA 1115 US Health System**o**ANTH 4411 Advanced Global HealthCPH 4432 Community and Public HealthGLBL 4420 Global Health and PolicySOC 3330 Sociology of Health and Illness |
| **Communication (Select one)** | **3** |
| ANTH 4409 Clinical Medical Anthropology CMP 3308 Groups and Communication CMP 3309 Communication InquiryCMP 4422 Conflict Management CPH 4410 Health Behavior Change Theory and Application**o** CPH 4425 Patient Education Skills**o**(2 cr)CPH 4451 Basic Addiction Treatment SkillsCPH 4446 Communication Strategies in Community and Public HealthENGL 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 4406 American Indian Health IssuesANTH 4407 Anthropology of Global Health**o**ANTH 4408 Topics in Medical AnthropologyANTH 4409 Clinical Medical AnthropologyCOUN 3300 Interpersonal Skills in Health Professions (2 cr)DHS 4402 Survey of Aging IssuesHCA 4475 Health Law and Bioethics**o**CPH 4425 Patient Education Skillso (2 cr)SOC 2248 Critical Analysis of Social DiversitySPAN 2210 Spanish for Health Care I |
| **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  | *OAA or COT:* | 5.27.2021vs |
| **Red courses** are recommended to meet upper-division requirement | *Registrar:*  |  |
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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 4453 (3 cr) | Healthcare Finance (Pre Req: ACCT 2202 & FIN 3315) |   |
| HCA 4475 (3 cr) | Health Law and Bioethics (MGT 2261) |   |
| CPH 2221 (3 cr) | Introduction to Community and Public Health |   |
| CPH 4410 (3 cr) | Health Behavior Change Theories and Application |   |
| CPH 4420 (3 cr) | Program Planning  |   |
| ECON 4440 (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 3331 (3 cr) | Cmty Risk Reduction Fire & Emcy Svs (Pre Req: FSA 1103) |   |
| MGT 3312 (3 cr) | Individual and Organizational Behavior (ENGL 1102) |  |
| POLS 4405 (3 cr) | Introduction to Public Administration |  |
| POLS 4454 (3 cr) | Public Personnel Management |   |
| ***Clinical Track5*** |
|  | BIOL 2221 + L (4 cr) | Introductory Microbiology6 Several Pre Reqs |  |
| or BIOL 2235 + L (4 cr) | General Microbiology6 Several Pre Reqs |  |
| BIOL 4432 (3 cr)  | Biochemistry6 Several Pre Reqs |  |
| or BIOL 4445 (3 cr)  | Biochemistry I6 Several Pre Reqs |  |
| CHEM 1111 + L (5 cr) | General Chemistry I and Lab |  |
| CHEM 1112 + L (4 cr) | General Chemistry II and Lab |  |
| CHEM 3301 + L (4 cr) | Organic Chemistry I6 Several Pre Reqs |  |
| EMGT 3307 (3 cr)  | Social Dimensions of Disaster (EMGT 2224) |  |
| EMGT 4420 (3 cr)  | Legal Issues in Emergency Mgmt (EMGT 1121) |  |
| FSA 3329 (3 cr)  | Political and Legal Foundations of Fire (FSA 2202) |  |
| FSA 3331 (3 cr)  | Cmty Risk Reduction Fire & Emcy Svs (FSA 1103) |  |
| HCA 4475 (3 cr)  | Health Law and Bioethics (MGT 2261) |  |
| CPH 2221 (3 cr)  | Introduction to Community and Public Health |  |
| CPH 3340 (3 cr) | Fitness and Wellness Programs (CPH 2200 & CPH 2221) |  |
| CPH 3342 (3 cr)  | Stress Management |  |
| CPH 4406 (3 cr)  | Epidemiology (Pre Req: Math 1153 & MGT 2216) |  |
| CPH 4410 (3 cr)  | Health Behavior Change Theory and Application |  |
| CPH 4420 (3 cr)  | Program Planning |  |
| CPH 4425 (2 cr) | Patient Education Skills |  |
| CPH 4430 (3 cr)  | Curriculum & Methods in Health Ed (Permission of Instructor) |  |
| CPH 4432 (3 cr)  | Community and Public Health  |  |
| CPH 4415 (3 cr)  | Research Methods in Public Health |  |
| MGT 3312 (3 cr)  | Individual and Organizational Behavior (ENG 1102) |  |
| 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 4475 (3 cr) | Health Law and Bioethics (MGT 2261)  |  |
| CPH 2221 (3 cr) | Introduction to Community and Public Health |  |
| CPH 3340 (3 cr) | Fitness and Wellness Programs (CPH 2200 & CPH 2221) |  |
| CPH 3342 (3 cr) | Stress Management |  |
| CPH 4410 (3 cr) | Health Behavior Change Theory and Application |  |
| CPH 4420 (3 cr) | Program Planning |  |
| CPH 4430 (3 cr) | Curriculum & Methods in Health Ed |  |
| CPH 4432 (3 cr) | Community and Public Health |  |
| CPH 4415 (3 cr) | Research Methods in Public Health |  |
| EMGT 3307 (3 cr) | Social Dimensions of Disaster (EMGT 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 4415 2(cr) | Introduction to Foundations of Patient Interactions |  |
| 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/ CPH 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 CPH courses are required to take CPH 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.