

# Emergency Medical Services

## AWARDS

EMERGENCY MEDICAL SERVICES A.S. ....	70 cr
EMERGENCY MEDICAL SERVICES A.S. (ACCELERATED TRACK) .....	70 cr
PARAMEDIC DIPLOMA .....	40 cr
EMERGENCY MEDICAL TECHNICIAN CERTIFICATE ..	9 cr
ADVANCED EMERGENCY MEDICAL TECHNICIAN (AEMT) CERTIFICATE .....	10 cr
COMMUNITY PARAMEDIC CERTIFICATE .....	12 cr

## PURPOSE

This program is designed to offer comprehensive education and occupational preparation in the field of advanced pre-hospital emergency care. Paramedics are employed by advanced life support ambulance services as well in various out-of-hospital care settings to provide care in medical and traumatic emergencies. Two degree tracks are offered, both leading to an Associate of Science in Emergency Medical Services; a third diploma option is offered for those who may already have a degree, or are seeking a career as a paramedic without completing additional liberal arts coursework.

The Emergency Medical Services program also offers emergency medical technician (EMT) training in basic emergency medical care, as well as training towards the Advanced EMT certificate.

## PROGRAM INFORMATION

A separate program application is required for admittance into the Paramedic Core Program.

## A.S., EMERGENCY MEDICAL SERVICES - TRADITIONAL TRACK (PARAMEDIC) (70 CREDITS)

Paramedic Curriculum .....	40 cr
Liberal Arts .....	30 cr

This track leads to an Associate of Science in Emergency Medical Services. Clinical learning experiences are provided with ambulance services and hospitals throughout the metropolitan area. A Minnesota EMT certificate is required prior to taking the pre-core classes. Graduates are awarded an A.S. degree and are eligible to take the National Registry Paramedic written and practical exam.

*Note: If you have been arrested, charged or convicted of any criminal offense, you should investigate the impact that the arrest, charge or conviction may have on your chances of employment in the field you intend to study or on your chances to obtain federal, state and other higher education financial aid. Some courses within this program require a criminal background study to successfully complete. Please see the course description section of the catalog for more details. Please refer to the Criminal Background section of the catalog for more information on the criminal background study.*

EMS

## PARAMEDIC CURRICULUM

40 CREDITS

### Pre-Core Program

□ EMS 1122 EMS Systems .....	2
□ EMS 1130 Advanced EMT .....	4
□ EMS 1131 Advanced EMT Practicum .....	2
□ EMS 1188 Advanced EMT Patient Care Experience .....	2

### Paramedic Core

(require formal acceptance into Paramedic Core program)

□ EMS 2420 Pathophysiology for EMS .....	3
□ EMS 2430 Advanced Pharmacology .....	2
□ EMS 2440 Shock and Trauma .....	2
□ EMS 2460 Medical Emergencies I .....	3
□ EMS 2470 Field Skills Practicum I .....	3
□ EMS 2488 Paramedic Patient Care Experience I .....	2
□ EMS 2530 Peds/OB/GYN Emergencies .....	2
□ EMS 2540 Special Rescue Operations .....	2
□ EMS 2560 Medical Emergencies II .....	4
□ EMS 2570 Field Skills Practicum II .....	2
□ EMS 2580 Synthesis of Advanced Life Support .....	1
□ EMS 2588 Paramedic Patient Care Experience II .....	4

## LIBERAL ARTS

30 CREDITS

□ ENG 1108 Writing and Research Skills .....	4
□ ENG 1111 Research Writing in the Disciplines .....	2
□ COMM 1100 Interpersonal Communication OR COMM 2240 intercultural Communication .....	3
□ BIOL 1120 Exploring Biology OR BIOL 1154 Biology: From Cell to Organism .....	4
□ BIOL 2201 Anatomy and Physiology I .....	4
□ BIOL 2202 Anatomy and Physiology II .....	4
□ PSYC 1230 Psychology of Death, Dying and Loss .....	3
□ History/Social Science/Behavioral Science (MnTC Goal 5) .....	3
□ Humanities/Fine Arts/Literature (MnTC Goal 6) .....	3

*Developmental math and developmental ENGLISH courses may be required for admission to the program, but cannot be applied to graduation requirements.*

**A.S., EMERGENCY MEDICAL SERVICES - ACCELERATED TRACK (PARAMEDIC)**  
(70 CREDITS)

Department Curriculum . . . . . 40 cr  
Liberal Arts 30 cr

**PROGRAM INFORMATION**

The accelerated track is a separate program offered to paramedics with a current paramedic certification. Students must apply both to the college and the program. Applications are accepted year-round. This track allows working paramedics to complete the A.S. degree at Inver Hills. Students must successfully complete the IHCC credit residency requirement for graduation.

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**DEPARTMENT CURRICULUM 40 CREDITS**

Equivalent Credit for Paramedic Certificate/Experience . . . . . 40

**LIBERAL ARTS 30 CREDITS**

- ENG 1108 Writing and Research Skills . . . . . 4
- ENG 1111 Research Writing in the Disciplines . . . . . 2
- COMM 1100 Interpersonal Communication OR  
COMM 2240 ntercultural Communication . . . . . 3
- BIOL 1120 Exploring Biology OR  
BIOL 1154 Biology: From Cell to Organism . . . . . 4
- BIOL 2201 Anatomy and Physiology I . . . . . 4
- BIOL 2202 Anatomy and Physiology II . . . . . 4
- PSYC 1230 Psychology of Death, Dying and Loss . . . . . 3
- History/Social Science/Behavioral Science (MnTC Goal 5) . . . . . 3
- Humanities/Fine Arts/Literature (MnTC Goal 6) . . . . . 3

*Developmental math and developmental ENGish courses may be required for admission to the program, but cannot be applied to graduation requirements.*

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**PARAMEDIC DIPLOMA**  
(40 CREDITS)

Paramedic Curriculum . . . . . 40 cr

**PURPOSE**

This program is designed to offer comprehensive education and occupational preparation in the field of advanced pre-hospital emergency care, intended for those who already have a degree or those who wish to obtain certification as a paramedic without taking additional liberal arts coursework. Paramedics are employed by advanced life support ambulance services as well as in various out-of-hospital care settings to provide care in medical and traumatic emergencies. Graduates are eligible to take the National Registry Paramedic written and practical exam. **A separate program application is required for admittance into the Paramedic Core program.**

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**PARAMEDIC CURRICULUM 40 CREDITS**

**Pre-Core Program**

- EMS 1122 EMS Systems . . . . . 2
- EMS 1130 Advanced EMT . . . . . 4
- EMS 1131 Advanced EMT Practicum . . . . . 2
- EMS 1188 Advanced EMT Patient Care Experience . . . . . 2

**Paramedic Core**

*(require formal acceptance into Paramedic Core program)*

- EMS 2420 Pathophysiology for EMS . . . . . 3
- EMS 2430 Advanced Pharmacology . . . . . 2
- EMS 2440 Shock and Trauma . . . . . 2
- EMS 2460 Medical Emergencies I . . . . . 3
- EMS 2470 Field Skills Practicum I . . . . . 3
- EMS 2488 Paramedic Patient Care Experience I . . . . . 2
- EMS 2530 Peds/OB/GYN Emergencies . . . . . 2
- EMS 2540 Special Rescue Operations . . . . . 2
- EMS 2560 Medical Emergencies II . . . . . 4
- EMS 2570 Field Skills Practicum II . . . . . 2
- EMS 2580 Synthesis of Advanced Life Support . . . . . 1
- EMS 2588 Paramedic Patient Care Experience II . . . . . 4

*Developmental mathematics and developmental ENGish courses may be required for admission to the program, but credits cannot be applied to graduation requirements.*

**EMERGENCY MEDICAL TECHNICIAN (EMT)  
CERTIFICATE**  
(9 CREDITS)

**PURPOSE**

This certificate is designed to provide a basic education in emergency medical care, teach the competencies required for students to prepare for the national certification examination and to prepare students for certification and a career as an Emergency Medical Technician (EMT). This program will teach responsibility in emergency care of the critically sick or injured and develop skills in the use of and care of all basic emergency equipment. The program curriculum includes topics such as patient assessment, trauma skills, care and recognition of heart disease, respiratory problems and other medical emergencies and includes field clinical experience.

In order to enroll in any pre-core paramedic course, you will need to obtain EMT certification.

**PROGRAM INFORMATION**

The EMT program is approved by the Minnesota Emergency Medical Services Regulatory Board. Participants who successfully complete the certificate program will be eligible to take the National Registry of EMT's practical and written examinations for State of Minnesota and National Certification and employment as an EMT.

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**EMT CERTIFICATE CURRICULUM** **9 CREDITS**

- EMS 1101 Emergency Medical Technician. . . . .6
- EMS 1102 Emergency Medical Technician Practicum . . . . .3

**ADVANCED EMERGENCY MEDICAL  
TECHNICIAN (AEMT) CERTIFICATE**  
(10 CREDITS)

**PURPOSE**

Designed to provide expanded depth and breadth for students who have completed an Emergency Medical Technician course, this curriculum meets the National EMS Education Standards for training of the Advanced EMT (AEMT). The AEMT provides basic and limited advanced medical care to ill and injured patients above the scope of an EMT. Program curriculum includes pathophysiology of medical and traumatic conditions, critical thinking skills, some advanced airway management, basic pharmacology, incident operations, intravenous therapy and fluid administration along with field and hospital experiences. Curriculum in this certificate may be applied toward the Paramedic Certificate or A.S. degree.

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**CORE AEMT CURRICULUM** **10 CREDITS**

- EMS 1122 EMS Systems . . . . .2
- EMS 1130 Advanced EMT Lecture . . . . .4
- EMS 1131 Advanced EMT Lab . . . . .2
- EMS 1188 Advanced EMT Experience. . . . .2

*Current EMT certification required prior to and during all coursework.*

# COMMUNITY PARAMEDIC CERTIFICATE

(12 CREDITS)

## PURPOSE

Provides additional training to certified, experienced paramedics in the areas of public health, health prevention, patient advocacy, triage, disease management, mental health and the management of ongoing illness or injury. The Community Paramedic works under the direction of an EMS Medical Director in cooperation with a primary care doctor. Community Paramedics work for EMS agencies, health care organizations or in other areas of public health.

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<b>COMMUNITY PARAMEDIC CORE CURRICULUM</b>	<b>12 CREDITS</b>
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|--|---|
| <input type="checkbox"/> EMSC 2900 Role of the Community Paramedic . . . . .                                       | 2 |
| <input type="checkbox"/> EMSC 2910 Community Assessment . . . . .  | 3 |
| <input type="checkbox"/> EMSC 2920 Pathophysiology and Disease Management<br>for the Community Paramedic . . . . . | 2 |
| <input type="checkbox"/> EMSC 2930 Community Paramedic Patient Care<br>Experience . . . . .                        | 5 |