

EMERGENCY MEDICAL TECHNICIAN

The **Emergency Medical Technician** program prepares students for employment as Emergency Medical Technicians (EMT) in fire departments, private ambulance services, and hospital-based systems. The curriculum focuses on the study of anatomy and physiology, the pathophysiology of diseases, traumatic injuries, pharmacology, and cardiac care. Students will develop their knowledge and skill through both laboratory and clinical field experiences.

Graduation Requirements

Certificate in Emergency Medical Technician – Basic, Intermediate, and Paramedic: A cumulative GPA of 2.0 or higher. The minimum number of credits required to be completed at SENMC for each certificate is listed below:

EMT Basic minimum of 6 hours required

EMT Intermediate minimum of 7 hours required

EMT Paramedic minimum of 15 hours required

AAS in Emergency Medical Technician Paramedic: ENGL 1110G Composition I with a C- or higher; placement into college-level math and reading courses or completion of developmental courses with a C- or higher; cumulative GPA of 2.0 or higher. A minimum of 15 of the 60 credits for the associate's degree must be completed at SENMC.

Required Skills and Abilities

All EMS programs require that the student be able to:

- lift, carry and balance up to 120 pounds (250 pounds with assistance)
- carry out emergency and non-emergency patient care, including, light extrication (i.e., be able to assume a variety of postural positions and be capable of physical maneuvers ranging from crawling, kneeling, squatting, twisting, turning, and bending, to climbing stairs and ladders)
- withstand varied environmental conditions such as extreme heat, cold, and moisture

Program Entrance Requirements

- EMT Basic:
 - Immunizations below are required before starting clinicals
 - MMR twice since 1980 or Rubella and Rubeola titers;
 - TB screening with expiration past end of semester;
 - Varicella immunity (titer or proof of vaccination accepted)
 - TDAP within 10 years
 - Hepatitis B series or titers or declination waiver
 - Flu shot if in season (October-March)
 - COVID vaccination
- EMT Intermediate
 - Copy of current health care provider CPR card
 - Successful completion of EMT Basic coursework
 - Immunizations below are required before starting clinicals

- MMR twice since 1980 or Rubella and Rubeola titers;
- TB screening with expiration past end of semester;
- Varicella immunity (titer or proof of vaccination accepted)
- TDAP within 10 years
- Hepatitis B series or titers or declination waiver
- Flu shot if in season (October-March)
- COVID vaccination
- EMT-Basic license in hand by the end of the sixth week of EMT-Intermediate classes
- EMT Paramedic
 - EMT Basic or EMT Intermediate license
 - Written, oral, and practical assessment at the EMT Basic or EMT Intermediate level depending on current licensure
 - HOBET exam
 - Copy of current health care provider CPR card
 - Completed departmental application including resume, letter of intent, and recommendation letters
 - Immunizations below are required before starting clinicals
 - MMR twice since 1980 or Rubella and Rubeola titers;
 - TB screening with expiration past end of semester;
 - Varicella immunity (titer or proof of vaccination accepted)
 - TDAP within 10 years
 - Hepatitis B series or titers or declination waiver
 - Flu shot if in season (October-March)
 - COVID vaccination
- Emergency Medical Technician Basic - Certificate of Completion (<https://senmc-public.courseleaf.com/academic-programs/associate-degree-certificate-programs/emergency-medical-technician/emergency-medical-technician-basic-certificate-completion/>)
- Emergency Medical Technician Intermediate - Certificate (<https://senmc-public.courseleaf.com/academic-programs/associate-degree-certificate-programs/emergency-medical-technician/emergency-medical-technician-intermediate-certificate/>)
- Emergency Medical Technician Paramedic - Certificate of Completion (<https://senmc-public.courseleaf.com/academic-programs/associate-degree-certificate-programs/emergency-medical-technician/emergency-medical-technician-paramedic-certificate-completion/>)
- Emergency Medical Services - Associate of Applied Science (<https://senmc-public.courseleaf.com/academic-programs/associate-degree-certificate-programs/emergency-medical-technician/emergency-medical-technician-paramedic-aas/>)

OEEM 101 CPR for the Health Care Professional 1 Credit (1)

Students learn identification and response to airway and circulation emergencies, including use of a SAED and accessing the EMS system. This course is taught using the American Heart Association guidelines for course completion. Required: grade of C or better
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OEEM 103 Heartsaver First Aid/CPR 1 Credit (1)

Students learn how to identify and respond to airway, circulation and basic first aid emergencies, to include using a SAED and accessing the EMS system. This course is intended for students who are not Allied Health Majors and utilizes the American Heart Association guidelines for course completion.

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OEEM 115 First Responder Prehospital Professional 3 Credits (3)

Provides training in prehospital medical and traumatic emergencies. Consent of instructor required. Requires a C or better to pass. Restricted to majors. (2+3P)

Corequisite(s): OEEM 101

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OEEM 120 Emergency Medical Technician Basic 6 Credits (6)

EMT-Basic skills to include care of soft tissue and muscular/skeletal injuries, circulatory, nervous, general medical and respiratory emergencies. Requires a C or better to pass. Consent of Instructor required. Restricted to: OEEM majors.

Corequisite(s): OEEM 101, OEEM 120L, OEEM 121

Prerequisite(s)/Corequisite(s): OEEM 153

Repeatable: up to 6 credits

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OEEM 120 L Emergency Medical Technician Basic Lab 2 Credits (2)

EMT-Basic skills development with emphasis on assessment, skills competency and team-work in patient care in the prehospital setting. (6P). Restricted to: OEEM majors.

Corequisite(s): OEEM 101, OEEM 120, OEEM 121

Prerequisite(s)/Corequisite(s): OEEM 153

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OEEM 121 Emergency Medical Technician Basic Field/Clinical 1 Credit (1)

Covers the patient care experience provided through assigned shifts in the hospital and/or ambulance setting. Requires a C or better to pass. Consent of Instructor required. Restricted to: OEEM majors.

Prerequisite(s)/Corequisite(s): OEEM 101, OEEM 120, OEEM 120L OEEM 153

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OEEM 150 Emergency Medical Technician Intermediate 5 Credits (5)

Theory of the roles, responsibilities and scope of practice of the EMT-Intermediate. Assessment and management of respiratory, cardiac, trauma, environmental, behavior, reproduction, and childhood emergencies. Consent of Instructor required. Restricted to: OEEM majors.

Prerequisite(s): Current EMT-basic license, pretest and consent of instructor

Repeatable: up to 5 credits

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OEEM 150 L Emergency Medical Technician Intermediate Lab 2 Credits (2)

EMT-Intermediate skills development with an emphasis on assessment, skills competency, and team work in patient care in the prehospital setting. Requires a C or better to pass. Restricted to: OEEM majors. (6P)

Prerequisite(s)/Corequisite(s): OEEM 150, OEEM 151

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OEEM 151 Emergency Medical Technician Intermediate Field/Clinical 2 Credits (2)

Patient care experience provided through assigned shifts in the hospital and/or ambulance setting. Restricted to: OEEM majors. (6P)

Prerequisite(s)/Corequisite(s): OEEM 150, OEEM 150 L

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OEEM 153 Introduction to Anatomy and Physiology for the EMS**Provider 3 Credits (3)**

To properly assess and manage a patient, a prehospital provider must have a solid foundation in human anatomy and physiology. This course provides a systematic approach to building this foundation. Grade of C or better is required to pass the course. Consent of Instructor required.

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OEEM 155 Special Topics 1 Credit (1)

Specific topics to be listed in Schedule of Classes.

Repeatable: for a maximum of 10 credits

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OEEM 177 Emergency Medical Services Instructor 4 Credits (4)

Theory of student learning, methodology, instructional components, evaluation, and course coordination for the EMS profession. Consent of Instructor required.

Prerequisite(s): Minimum of an EMT-Basic License required

Repeatable: up to 4 credits

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OEEM 201 Human Pathophysiology 3 Credits (3)

Overview of anatomy and physiology. Emphasis on human body pathophysiology including a medical illness component. Requires a C or better to pass. Consent of Instructor required. Restricted to: OEEM majors. (2+3P)

Prerequisite(s): OEEM 120, OEEM 120 L

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OEEM 202 EMT-Paramedic Respiratory Emergencies 3 Credits (3)

Review anatomy, physiology and pathophysiology of the respiratory system. Assessment and management of respiratory emergencies and acute respiratory failure in the prehospital setting. Requires a C or better to pass. Consent of Instructor required. Restricted to: OEEM majors. (2+3P)

Prerequisite(s): OEEM 212

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OEEM 203 EMT-Paramedic Trauma Emergencies 3 Credits (3)

Study of the effects of trauma on the human body. Assessment and management of trauma patients and scenes, including vehicular extrication. Consent of Instructor required. Restricted to: OEEM majors. (2+3P)

Prerequisite(s): OEEM 216

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OEEM 206 Introduction to Advanced Prehospital Care 3 Credits (3)

Overview of prehospital care including roles and responsibilities of EMT-P, EMS systems, medical, legal, ethical issues, stress management, medical terminology, medical report writing and communication. Includes ride-along with ambulance and dispatch observation. Requires a C or better to pass. Consent of instructor required. Restricted to OEEM majors. (2+3P)

Prerequisite(s): OEEM 120

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OEEM 207 Introduction to Pharmacology 3 Credits (3)

Drug actions, factors modifying drugs and dosages: characteristics of drug effects, and drug history and dosages. Prehospital protocol, transport, and common patient prescription medications. Requires a C or better to pass. Restricted to OEEM majors. (2+3P)

Prerequisite(s): OEEM 120

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OEEM 210 Cardiac Rhythm Interpretation 3 Credits (3)

Cardiac conduction system: electrophysiology, electrocardiogram, monitor, atrial, sinus, ventricular and junctional dysrhythmias, multiple lead EKG and 12 lead EKG interpretation. Requires a C or better to pass. Restricted to: OEEM majors. (2+3P)

Prerequisite(s): OEEM 201, OEEM 206, OEEM 207

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OEEM 212 EMT-Paramedic Cardiovascular Emergencies 3 Credits (3)

Review anatomy, physiology, and pathophysiology of cardiovascular system. Assessment and management of cardiovascular emergencies in the prehospital setting. Requires a C or better to pass. Restricted to: OEEM majors. (2+3P)

Prerequisite(s): OEEM 210

Repeatable: up to 3 credits

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OEEM 213 EMT-Paramedic: Medical Emergencies I 3 Credits (3)

Study of the disease process; assessment and management of neurological, endocrine, gastrointestinal, renal emergencies and infectious disease. Requires a C or better to pass. Restricted to: OEEM majors. (2+3P)

Prerequisite(s): OEEM 212

Repeatable: up to 3 credits

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OEEM 214 EMT-Paramedic: Medical Environmental Emergencies II 3 Credits (3)

Study of disease process, assessment, and management of poisoning, drug and alcohol abuse, environmental, behavioral and geriatric emergencies. Requires a C or better to pass. Restricted to: OEEM majors. (2+3P)

Prerequisite(s): OEEM 213

Repeatable: up to 3 credits

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OEEM 216 EMT-Paramedic: Reproductive and Childhood Emergencies 3 Credits (3)

Covers anatomy, physiology, disease processes, assessment and management of male and female reproductive system emergencies, childhood emergencies and growth and development. Restricted to majors. Requires a C or better to pass. (2+3P)

Prerequisite(s): OEEM 214 and consent of instructor

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OEEM 218 Pediatric Advance Life Support for the Healthcare Profession 1 Credit (1)

Identify and respond to life threatening pediatric emergencies. Taught using the American Heart Association guidelines for course completion. Graded S/U.

Prerequisite(s): OEEM 101

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OEEM 219 Advance Cardiac Life Support for the Healthcare Provider 1 Credit (1)

Identify and respond to life threatening cardiac emergencies. Taught using the American Heart Association guidelines for course completion. Graded S/U.

Prerequisite(s): OEEM 101

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OEEM 230 EMT-Paramedic Clinical Experience I 3 Credits (3)

Assigned clinical experiences in patient assessment and specific management techniques. Successful completion includes minimum required hours and completion of course objectives. Restricted to majors. Requires a C or better to pass. (9P)

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OEEM 231 EMT-Paramedic Clinical Experience II 3 Credits (3)

Assigned clinical experiences in patient assessment and specific management techniques. Successful completion includes minimum required hours and completion of course objectives. Requires a C or better to pass. Restricted to: OEEM majors. (9P)

Prerequisite(s)/Corequisite(s): OEEM 230

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OEEM 240 EMT-Paramedic Field Experience I 3 Credits (3)

Advanced prehospital skills and knowledge. Successful completion of at least the minimum required hours and course objectives. Restricted to majors. Requires a C or better to pass. (9P)

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OEEM 241 EMT-Paramedic Field Experience II 3 Credits (3)

Continued focus on advanced prehospital skills and knowledge, with increasing responsibility for patient care. Successful completion includes meeting at least the minimum required hours and course objectives. Requires a C- or better to pass.

Prerequisite(s)/Corequisite(s): OEEM 240

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OEEM 242 EMT-Paramedic Field Internship 3 Credits (3)

Emphasis on total patient care responsibility and team leadership skills. Successful completion includes meeting the minimum hours required and course objectives. Restricted to: OEEM majors. (9P)

Prerequisite(s): OEEM 231, OEEM 241

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OEEM 243 EMT-Paramedic Preparation for Practice 2 Credits (2)

Comprehensive final program testing to prepare for licensing examination. Requires a C or better to pass. Restricted to: OEEM majors.

Prerequisite(s): OEEM 242

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