

# Emergency Medical Technician - Basic Certificate (EMTC)

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The Emergency Medical Technician certificate covers the skills needed to provide the first level of pre-hospital care in the Emergency Medical Services system. An EMT is prepared to care for patients at the scene of an accident or illness and while transporting patients by ambulance to the hospital. The EMT has the skills needed to assess a patient's condition and manage medical and trauma emergencies.

The EMT certificate program is approved by the Ohio Department of Public Safety, Division of Emergency Medical Services. After successful completion of the certificate program, students are eligible to take the National Registry of Emergency Medical Technicians cognitive and practical examinations.

For more information, please contact the Health and Public Safety Division at (513) 569-1670.

To apply for this program at Cincinnati State, visit the Admissions (<http://www.cincinnati.edu/academics/admission>) section of the College website.

## Emergency Medical Technician—Basic Certificate (EMTC)

**Program Prerequisites:** AFL 085 Applications of College Reading and Writing or appropriate placement test score.

Semester 1		Lec	Lab	Credits
EMS 110	Emergency Medical Technician Theory and Practice	5	4	7
Total Credits:		5	4	7

## Faculty

### Program Chair

T. Ryan Mayfield, MS, NREMT-P  
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## Courses

### EMS 100 CPR and First Aid for the Health Care Professional 1 Credit. 1 Lecture Hour. 0 Lab Hour.

A course on life support and first aid skills. Topics include: one- and two-rescuer CPR and AED for adults, children, and infants; barrier devices; and resuscitator bags. Students who pass the course receive an American Heart Association CPR card for the Health Care Professional and First Aid card.

Prerequisites: None

### EMS 103 Emergency Medical Responder Theory and Practice 4 Credits. 3 Lecture Hours. 2 Lab Hours.

A course on how to provide immediate care for life-threatening injuries and illnesses, using the curriculum approved by the Ohio Department of Public Safety, Division of EMS. Students who pass the course are eligible for the NREMT certification exam.

Prerequisites: AFL 085 or appropriate placement test score

### EMS 105 Emergency Medical Responder Refresher 1 Credit. 1 Lecture Hour. 0 Lab Hour.

A course that provides Certified Emergency Medical Responders with a review of skills for providing immediate care for life-threatening injuries and illnesses. The course incorporates continuing education/recertification standards of the Ohio Department of Public Safety, Division of EMS.

Prerequisites: EMS 103 or current EMR certification

### EMS 110 Emergency Medical Technician Theory and Practice 7 Credits. 5 Lecture Hours. 4 Lab Hours.

A course on assessment, care, and transportation of the ill or injured patient, using the curriculum approved by the Ohio Department of Public Safety, Division of EMS. Students who pass the course are eligible for the National Registry of Emergency Medical Technicians (NREMT) certification exam.

Prerequisites: AFL 085 or appropriate placement test score

### EMS 115 Emergency Medical Technician Refresher 2 Credits. 2 Lecture Hours. 0 Lab Hour.

A course that provides Certified Emergency Medical Technicians with a review of skills for assessment, care, and transportation of the ill or injured patient. The course incorporates continuing education/recertification standards of the Ohio Department of Public Safety, Division of EMS.

Prerequisites: EMS 110 or current EMT certification

### EMS 120 Paramedic Anatomy and Physiology 3 Credits. 3 Lecture Hours. 0 Lab Hour.

A course on the structure and function of the human body. Topics include: medical terminology, cells, tissues, and human organ systems.

Prerequisites: AFL 085 and AFM 092, or appropriate placement test scores

### EMS 180 Emergency Medical Technician Field Experience Practicum 2 Credits. 0 Lecture Hour. 8 Lab Hours.

Students who are certified EMTs gain unpaid work experience with a fire or emergency medical services department prior to entering the EMT-Paramedic Certificate program.

Prerequisites: EMS 110 and Ohio EMT certification

### EMS 198 First Year Special Topics in Emergency Medical Technology 1-9 Credits. 0 Lecture Hour. 0 Lab Hour.

A course on selected topics related to Emergency Medical Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: None

### EMS 199 First Year Independent Project in Emergency Medical Technology 1-9 Credits. 0 Lecture Hour. 0 Lab Hour.

A project related to Emergency Medical Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Emergency Medical Technology faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: None

**EMS 200 Advanced Cardiac Life Support Provider Theory and Practice**

**1 Credit. 1 Lecture Hour. 0 Lab Hour.**

A course on knowledge and skills for evaluating and managing the first 10 minutes of an episode of ventricular fibrillation/ventricular tachycardia experienced by an adult. Students must have completed or be enrolled in technical courses for Paramedic, Nursing, or Respiratory Technology.

Prerequisites: Instructor consent  
Instructor Consent Required

**EMS 205 Pediatric Advanced Life Support Theory and Practice**

**1 Credit. 1 Lecture Hour. 0 Lab Hour.**

A course on knowledge and skills for providing advanced life support care for an infant or child during the first 10 minutes of resuscitation efforts. Students must have completed or be enrolled in technical courses for Paramedic, Nursing or Respiratory Technology.

Prerequisites: Instructor consent  
Instructor Consent Required

**EMS 211 Paramedic 1**

**7 Credits. 7 Lecture Hours. 0 Lab Hour.**

A course on knowledge and skills needed by an Emergency Medical Technician to provide advanced life support care of the ill or injured patient. The curriculum follows guidelines approved by the Ohio Department of Public Safety, Division of EMS, and meets terminal objectives for the entry-level paramedic as outlined in the National Emergency Medical Services Educational Standards.

Prerequisites: EMS 110 and EMS 120 (minimum grade of C for both)

**EMS 212 Paramedic 2**

**6 Credits. 6 Lecture Hours. 0 Lab Hour.**

A continuation of EMS 211, with ongoing study of the knowledge and skills needed for advanced life support care of the ill or injured patient. The curriculum follows guidelines approved by the Ohio Department of Public Safety, Division of EMS, and meets terminal objectives for the entry-level paramedic.

Prerequisites: EMS 211

**EMS 213 Paramedic 3**

**6 Credits. 6 Lecture Hours. 0 Lab Hour.**

A continuation of EMS 212, with ongoing study of the knowledge and skills needed for advanced life support care of the ill or injured patient. The curriculum follows guidelines approved by the Ohio Department of Public Safety, Division of EMS, and meets terminal objectives for the entry-level paramedic.

Prerequisites: EMS 212

**EMS 215 Paramedic Refresher**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course that provides Certified Paramedics with a review of skills for advanced life support care of the ill or injured patient. The course incorporates continuing education/recertification standards of the Ohio Department of Public Safety, Division of EMS.

Prerequisites: EMS 213 or current Paramedic certification  
Instructor Consent Required

**EMS 220 Emergency Medical Services Instructor Theory and Practice**

**4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on techniques for teaching adult learners the knowledge and skills required for the Emergency Medical Services field, using the curriculum approved by the Ohio Department of Public Safety, Division of EMS. Students participate in supervised teaching experiences.

Prerequisites: Instructor consent  
Instructor Consent Required

**EMS 221 Paramedic 1 Lab**

**1 Credit. 0 Lecture Hour. 3 Lab Hours.**

A laboratory course that accompanies EMS 211, covering skills and interventions needed to properly assess and manage the ill or injured patient.

Prerequisites: None  
Corequisites: EMS-211: Paramedic 1

**EMS 222 Paramedic 2 Lab**

**1 Credit. 0 Lecture Hour. 3 Lab Hours.**

A laboratory course that accompanies EMS 212, covering ongoing acquisition of skills and interventions needed to properly assess and manage the ill or injured patient.

Prerequisites: EMS 221  
Corequisites: EMS 212: Paramedic 2

**EMS 223 Paramedic 3 Lab**

**1 Credit. 0 Lecture Hour. 3 Lab Hours.**

A laboratory course that accompanies EMS 213, covering ongoing acquisition of skills and interventions needed to properly assess and manage the ill or injured patient.

Prerequisites: EMS 222 (minimum grade C).  
Corequisites: EMS 213: Paramedic 3

**EMS 231 Paramedic 1 Practicum**

**2 Credits. 1 Lecture Hour. 9 Lab Hours.**

Students refine their patient assessment and management skills under the direct supervision of a clinical or internship preceptor, in the hospital clinical setting and field internship setting. Students must complete designated hours and skills.

Prerequisites: None  
Corequisites: EMS-221: Paramedic 1 Lab

**EMS 232 Paramedic 2 Practicum**

**3 Credits. 1 Lecture Hour. 11 Lab Hours.**

Students refine their patient assessment and management skills under the direct supervision of a clinical and/or internship preceptor, in the hospital clinical setting and field internship setting. Students must complete designated hours and skills.

Prerequisites: EMS 231 (minimum grade of C)  
Corequisites: EMS 222: Paramedic 2 Lab

**EMS 233 Paramedic 3 Practicum**

**3 Credits. 1 Lecture Hour. 11 Lab Hours.**

Students refine their patient assessment and management skills under the direct supervision of a clinical and/or internship preceptor, in the hospital clinical setting and field internship setting. Students must complete designated hours and skills.

Prerequisites: EMS 232 (minimum grade C)  
Corequisites: EMS 223: Paramedic 3 Lab

**EMS 298 Second Year Special Topics in Emergency Medical Technology**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Emergency Medical Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: None

**EMS 299 Second Year Independent Project in Emergency Medical Technology**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Emergency Medical Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Emergency Medical Technology faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: None