

# Emergency Medical Technician - Paramedic Program

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## Emergency Medical Technician - Paramedic Program

The emergency medical technician administers life-saving care to the sick and injured. The Paramedic program at Cincinnati State leads to an Associate of Applied Science degree, and includes training in basic and advanced life support.

The Paramedic curriculum has been approved by the Ohio Department of Public Safety, Division of Emergency Medical Services. Students are eligible to take the National Registry cognitive and practical examinations after completing the three Paramedic Theory and Practice courses.

Students in the Paramedic program can choose one of two majors:

### Paramedic Science Major (EMTP-S)

Students who complete the Paramedic Science major are prepared for careers in Emergency Medical Services research or education, or employment in a hospital emergency department. Students who are interested in eventual transition into another allied health career field should consider the Paramedic Science major.

### Management Major (EMTP-M)

Students who complete the Management major are prepared to assume supervisory and administrative roles within the field of Emergency Medical Services.

The program is accredited by The Ohio Department of Public Safety, Division of Emergency Medical Services, P.O. Box 182073, 1970 West Broad Street, Columbus, OH 43218-2073 phone: (614) 466-9447.

Two certificate programs also are offered:

### Emergency Medical Technician—Basic Certificate (EMTC)

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.

### Emergency Medical Technician—Paramedic Certificate (EMTPC)

Students who have already earned an EMT certificate may continue their education by entering the Paramedic certificate program. The curriculum is approved by the Ohio Department of Public Safety, Division of Emergency Medical Services. After completing the certificate, students are eligible to take the National Registry exam.

### Emergency Medical Services—Management Major (EMTP-M)

All degree-seeking students must complete a First Year Experience (FYE) course as part of the first 12 credit hours taken at Cincinnati State.

**Program Prerequisites:** AFM 095 Foundations of Basic Algebra or appropriate placement test score, and EMS 110 Emergency Medical Technician Theory and Practice or EMT-Basic Certification in the State of Ohio.

Semester 1	Lec	Lab	Credits
ENG 101	English Composition 1		3
MGT 101	Principles of Management		3
CULT 105	Issues in Human Diversity		3
PSY 110	Introduction to Psychology		3
<b>Semester 2</b>			
SOC 100	Survey of Social Issues		3
ENG 102	English Composition 2: Contemporary Issues		3
LBR 105	Introduction to Labor and Employee Relations		3

MGT 105	Human Resource Management			3
<b>Semester 3</b>				
COMM 110	Public Speaking			3
PHI 110	Ethics			3
EMS 120	Paramedic Anatomy and Physiology			3
FST 228	Legal Aspects of the Emergency Services			3
<b>Semester 4</b>				
EMS 211	Paramedic Theory and Practice 1			12
<b>Semester 5</b>				
EMS 212	Paramedic Theory and Practice 2			12
<b>Semester 6</b>				
EMS 213	Paramedic Theory and Practice 3			12
Total Credits:		0	0	72

## EMT Paramedic—Science Major (EMTP-S)

All degree-seeking students must complete a First Year Experience (FYE) course as part of the first 12 credit hours taken at Cincinnati State.

**Program Prerequisites:** AFM 095 Foundations of Basic Algebra or appropriate placement test score, and EMS 110 Emergency Medical Technician Theory and Practice or EMT-Basic Certification in the State of Ohio.

		Lec	Lab	Credits
<b>Semester 1</b>				
ENG 101	English Composition 1			3
CULT 105	Issues in Human Diversity			3
PSY 110	Introduction to Psychology			3
BIO 151	Anatomy and Physiology 1			4
<b>Semester 2</b>				
ENG 102	English Composition 2: Contemporary Issues			3
SOC 105	Introduction to Sociology			3
BIO 152	Anatomy and Physiology 2			4
BIO 220	Microbiology			3
<b>Semester 3</b>				
EMS 211	Paramedic Theory and Practice 1			12
BIO 230	Pharmacology			3
<b>Semester 4</b>				
EMS 212	Paramedic Theory and Practice 2			12
BIO 240	Pathophysiology			3
<b>Semester 5</b>				
COMM 110	Public Speaking			3
EMS 213	Paramedic Theory and Practice 3			12
Total Credits:		0	0	71

## Emergency Medical Technician—Basic Certificate (EMTC)

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

EMS 110	Emergency Medical Technician Theory and Practice	7
Total Credits		7

## Emergency Medical Technician—Paramedic Certificate (EMTPC)

**Program Prerequisites:** EMT-Basic Certification from the State of Ohio, and AFL 085 Applications of College Reading and Writing and AFM 095 Foundations of Basic Algebra or appropriate placement test scores.

Semester 1		Lec	Lab	Credits
EMS 211	Paramedic Theory and Practice 1			12
<b>Semester 2</b>				
EMS 212	Paramedic Theory and Practice 2			12
<b>Semester 3</b>				
EMS 213	Paramedic Theory and Practice 3			12
Total Credits:		0	0	36

## 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

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=100subject\\_code=EMS](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=100subject_code=EMS))

### 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

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=103subject\\_code=EMS](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=103subject_code=EMS))

### 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

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=105subject\\_code=EMS](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=105subject_code=EMS))

### 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 NREMT certification exam.

Prerequisites: AFL 085 or appropriate placement test score

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=110subject\\_code=EMS](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=110subject_code=EMS))

### 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

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=115subject\\_code=EMS](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=115subject_code=EMS))

**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 095, or appropriate placement test scores

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=120subject\\_code=EMS](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=120subject_code=EMS))

**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

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=180subject\\_code=EMS](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=180subject_code=EMS))

**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

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=198subject\\_code=EMS](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=198subject_code=EMS))

**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

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=199subject\\_code=EMS](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=199subject_code=EMS))

**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

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=200subject\\_code=EMS](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=200subject_code=EMS))

**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

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=205subject\\_code=EMS](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=205subject_code=EMS))

**EMS 211 Paramedic Theory and Practice 1**

**12 Credits. 8 Lecture Hours. 8 Lab Hours.**

A course on knowledge and skills for advanced life support care of the ill or injured patient, using the curriculum approved by the Ohio Department of Public Safety, Division of EMS.

Prerequisites: EMS 120, EMS 200 (minimum grade C for both)

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=211subject\\_code=EMS](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=211subject_code=EMS))

**EMS 212 Paramedic Theory and Practice 2**

**12 Credits. 8 Lecture Hours. 8 Lab Hours.**

A continuation of EMS 211. This course uses the curriculum approved by the Ohio Department of Public Safety, Division of EMS.

Prerequisites: EMS 211

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=212subject\\_code=EMS](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=212subject_code=EMS))

**EMS 213 Paramedic Theory and Practice 3**

**12 Credits. 8 Lecture Hours. 8 Lab Hours.**

A continuation of EMS 212. This course uses 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: EMS 212

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=213subject\\_code=EMS](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=213subject_code=EMS))

**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

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=215subject\\_code=EMS](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=215subject_code=EMS))

**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

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=220subject\\_code=EMS](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=220subject_code=EMS))

**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

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=298subject\\_code=EMS](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=298subject_code=EMS))

**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

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=299subject\\_code=EMS](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=299subject_code=EMS))