Emergency Medical Technician - Paramedic Science & Paramedic Certificate (EMTP-S & EMTPC)

Emergency Medical Technician - Paramedic Science (EMTP-S)

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.

Students must meet with the program chair or designee to be placed on the eligibility list for the three Paramedic Theory and Practice courses. Students are eligible to take the National Registry cognitive and practical examinations after completing the three Paramedic Theory and Practice courses.

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.

The Cincinnati State EMT program is accredited by the Commission on Accreditation of Allied Health Education Programs, upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

- Commission on Accreditation of Allied Health Education Programs - Website: www.caahep.org (https://www.caahep.org/). Phone (727) 210-2350).
- Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions - Website: www.coaemsp.org (https://coaemsp.org/). Phone (214) 703-8445.

The Paramedic curriculum has been approved 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. Ohio #349

The Paramedic curriculum has been approved by the Kentucky Board of Emergency Medical Services, 2464 Fortune Drive, Suite 195, Lexington, KY 40509. Kentucky TEI-322

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.cincinnatistate.edu/academics/admission) section of the College website.

Emergency Medical Technician - Paramedic Certificate (EMTPC)

Students who have already earned the credential National Registry Emergency Medical Technician (NREMT) may continue their education in the Paramedic certificate program. Students must meet with the program chair or designee to be placed onto the eligibility list for the three Paramedic Theory and Practice courses.

The certificate program prepares competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains with or without exit points at the level of Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder.

Classes are offered each semester at two Cincinnati State locations: Clifton Campus and Colerain Township.

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EMT Paramedic—Science Major (EMTP-S)

Program Prerequisites: EMS 110 Emergency Medical Technician Theory and Practice or EMT Certification in the State of Ohio.

Semester 1		Lec	Lab	Credits
ENG 101	English Composition 1 (**G**)	3	0	3
BIO 151	Anatomy and Physiology 1 (**G**)	3	2	4
PSY 110	Introduction to Psychology (**G**)	3	0	3
FYE 1XX First Year Experience Elective (**B**)		1	0	1
MAT 131	Statistics 1 (**G**)	2	2	3

Semester 2				
ENG 102	English Composition 2: Contemporary Issues (**G**)	3	0	3
SOC 105	Introduction to Sociology (**B**)	3	0	3
BIO 152	Anatomy and Physiology 2 (**B**)	3	2	4
BIO 220	Microbiology (**B**)	2	3	3
Semester 3				
EMS 211	Paramedic 1 (**T**)	7	0	7
COMM 110	Public Speaking (**B**)	3	0	3
EMS 221	Paramedic 1 Lab (**T**)	0	3	1
EMS 231	Paramedic 1 Practicum (**T**)	1	9	2
Semester 4				
EMS 212	Paramedic 2 (**T**)	6	0	6
BIO 240	Pathophysiology (**B**)	3	0	3
EMS 222	Paramedic 2 Lab (**T**)	0	3	1
EMS 232	Paramedic 2 Practicum (**T**)	1	11	3
Semester 5				
EMS 213	Paramedic 3 (**T**)	6	0	6
EMS 223	Paramedic 3 Lab (**T**)	0	3	1
EMS 233	Paramedic 3 Practicum (**T**)	1	11	3
Total Credits:		**51**	**49**	**63**

First Year Experience Elective

FYE 100	Essentials for College Success	1
FYE 105	Skills for College and Personal Success	2
FYE 110	Intensive College Success Strategies	3

Some courses are offered in alternative versions identified with a letter after the course number-- for example, ENG 101 and ENG 101A.

- This curriculum displays only course numbers without the added letter.
- The alternative version, when available, meets the requirements of the course version without the added letter.

The letters G, B, and T (displayed after course titles or elective descriptions) identify types of courses required by the Ohio Department of Higher Education as part of an associate's degree curriculum.

G = General Education course in this curriculum

B = Basic Skills course in this curriculum

T = Technical course in this curriculum

Emergency Medical Technician—Paramedic Certificate (EMTPC)

Semester 1		**Lec**	**Lab**	**Credits**
EMS 110	Emergency Medical Technician Theory and Practice	5	4	7
Semester 2				
XXX 1XX	Paramedic Anatomy / Physiology Elective	3	0	3
Semester 3				
EMS 211	Paramedic 1	7	0	7
EMS 221	Paramedic 1 Lab	0	3	1
EMS 231	Paramedic 1 Practicum	1	9	2
Semester 4				
EMS 212	Paramedic 2	6	0	6
EMS 222	Paramedic 2 Lab	0	3	1
EMS 232	Paramedic 2 Practicum	1	11	3
Semester 5				
EMS 213	Paramedic 3	6	0	6
EMS 223	Paramedic 3 Lab	0	3	1
EMS 233	Paramedic 3 Practicum	1	11	3
Total Credits:		**30**	**44**	**40**

Paramedic Anatomy / Physiology Elective

BIO 151 & BIO 152	Anatomy and Physiology 1 and Anatomy and Physiology 2	8
EMS 120	Paramedic Anatomy and Physiology	3
BIO 117	Human Body in Health and Disease	3

Some courses are offered in alternative versions identified with a letter after the course number-- for example, ENG 101 and ENG 101A.

- This curriculum displays only course numbers without the added letter.
- The alternative version, when available, meets the requirements of the course version without the added letter.

Emergency Medical Services (EMTP-M, EMTP-S)

- Perform an extensive patient assessment based on chief complaint and present history.
- Develop a differential diagnosis.
- Develop a field diagnosis.
- Formulate a plan of care.
- Implement appropriate treatment.
- Evaluate results of treatment and change as needed.
- Consult with first responders, EMS partners, and hospital personnel.
- Safely deliver patient to terminal institution.

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 National Registry of Emergency Medical Technicians (NREMT) certification exam.
Prerequisites: FYE 120 or placement into ENG 101

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: FYE 120 or placement into ENG 101

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: FYE 120 or placement into ENG 101, and MAT 093 (minimum grade C) or appropriate Math placement

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 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 C for both)
Corequisites: EMS 221 and EMS 231
Instructor Consent Required

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 and EMS 221 and EMS 231 (minimum grade C for all)
Corequisites: EMS 222 and EMS 232
Instructor Consent Required

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 and EMS 222 and EMS 232 (minimum grade C for all)
Corequisites: EMS 223 and EMS 233

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: EMS 110 and EMS 120 (minimum grade C for both)
Corequisites: EMS 211 and EMS 231

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 211 and EMS 221 and EMS 231 (minimum grade C for all)
Corequisites: EMS 212 and EMS 232

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 212 and EMS 222 and EMS 232 (minimum grade C for all)
Corequisites: EMS 213 and EMS 233

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: EMS 110 and EMS 120 (minimum grade C for both)
Corequisites: EMS 211 and EMS 221

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 211 and EMS 221 and EMS 231 (minimum grade C for all)
Corequisites: EMS 212 and EMS 222

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 212 and EMS 222 and EMS 232 (minimum grade C for all)
Corequisites: EMS 213 and EMS 223