

# EMERGENCY MEDICAL SERVICES

Emergency Medical Services (EMS) provides comprehensive training for students interested in working in the health care field of emergency first responder that ranges from emergency medical technician to paramedic. EMS graduates work in a variety of settings, including fire departments, private and public ambulance services, hospital emergency departments, emergency communication systems, law enforcement agencies, search and rescue, recreation, the US Forest Service as smokejumpers, and some rural clinical environments. Paramedics provide many services to their communities and often work in teams where communication and technical skills are expected.

Students can seek EMT certification after successful completion of EMT 151 Emergency Medical Technician Part A and EMT 152 Emergency Medical Technician Part B. Students can also obtain an EMT One-Year Certificate of Completion to expand their skills and knowledge at the EMT level, or continue on to the Paramedicine AAS Program and become an advanced provider.

See the [Emergency Medical Services page](#) for program and contact information.

## Programs

### Career and Technical Education

#### Associate of Applied Science

- [Paramedicine - Associate of Applied Science \(AAS\)](#)

#### One-Year Certificate of Completion

- [Emergency Medical Technician - One-Year Certificate of Completion \(CC1\)](#)

## Courses

### EMT 151 Emergency Medical Technician Part A (6 Credits)

**Prerequisites:** Department approval, WR 065 (or higher) or minimum placement Wr/COMM Level 9; and MTH 015 (or higher) or minimum placement Math Level 7.

Develops skills in pre-hospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. First of two emergency medical service National Standards Curriculum courses. Requires completing an eight-hour hospital field experience. Required before first class: documentation of cleared criminal history check, current immunizations, current American Heart Association Basic Life Support for the Healthcare Provider (CPR) certification.

### EMT 152 Emergency Medical Technician Part B (6 Credits)

**Prerequisites:** Department approval and EMT 151 (completed at COCC within one academic year).

Develops skills in pre-hospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Part two of two-part emergency medical service National Standards Curriculum course. Students must complete an eight-hour "shift" emergency medical services agency ride-along.

### EMT 163 Advanced EMT Part I (5 Credits)

**Prerequisites:** students must have a Valid Oregon EMT license, HealthCare provider CPR card, pass a criminal history check, and complete clinical site required immunizations to attend this course. This is part 1 of a 2-part course. The Advanced Emergency Medical Technician course prepares the AEMT student to provide prehospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles and responsibilities of AEMT's, anatomy and physiology, medical emergencies, trauma, special considerations for working in the prehospital setting and providing patient transportation.

### EMT 164 Advanced EMT Part II (5 Credits)

**Prerequisites:** EMT163 (within the current or previous academic year at COCC); students must have a valid Oregon EMT license, HealthCare provider CPR card, pass a criminal history check, and complete clinical site required immunizations to attend this course. This is part 2 of a 2-part course. The Advanced Emergency Medical Technician course prepares the AEMT student to provide prehospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles and responsibilities of AEMT's, anatomy and physiology, medical emergencies, trauma, special considerations for working in the pre hospital setting and providing patient transportation.

### EMT 170 Emergency Response Communication/Documentation (2 Credits)

Covers principles of therapeutic communication, verbal, written, and electronic communications in the provision of EMS, documentation of elements of patient assessment, care and transport, communication systems, radio types, reports, codes and correct techniques.

### EMT 171 Emergency Response Patient Transport (2 Credits)

Covers fire apparatus, ground and air ambulance operations, laws, maintenance, safety, emergency response driving, and route planning. Includes a mandatory field-driving course. Required prior to first class: valid Oregon driver's license.

### EMT 195 Crisis Intervention for the Emergency Medical Provider (3 Credits)

Covers intervention in behavioral crises caused by crises of sudden death, suicide, rape, murder, vehicle accidents, disease, trauma, and child abuse. Includes resources, supporting behavioral patterns, and handling emotional stress of the patient as well as coping with emotional conflict within one's self.

### EMT 199 Selected Topics: Emergency Medical Technician (1-5 Credits)

This course is in development.

**EMT 280 Paramedic Co-op Work Experience (4 Credits)**

**Prerequisites:** students will have needed to pass all didactic and clinical requirements EMT 290, EMT 291, EMT 292, EMT 293, EMT 294, EMT 295, EMT 296, EMT 297, and EMT 298; department approval.

Provides the educational field internship experience on an Advanced Life Support (ALS) transporting ambulance required to prepare the student to achieve licensure as a Paramedic. The field internship allows the paramedic student to apply previously learned theory and skills while under the direct observation and guidance of a preceptor. Student must have successfully completed all paramedic Lecture/Lab clinical requirements in order to register for this course. Student must pass a terminal competency exam at the completion of all CWE requirements. This course will meet the 4 credits of CWE required for completion of the paramedic program.

**EMT 280A Paramedic Co-op Work Experience (1 Credit)**

**Prerequisites:** EMT 290, EMT 291, EMT 296 and department approval.

This is a 1 credit elective CWE offering available only to students affiliated with an agency that is a 911 Advanced Life Support (ALS) transporting agency. Provides the educational field internship experience required to prepare the student to achieve licensure as a Paramedic. The field internship allows the paramedic student to apply previously learned theory and skills while under the direct observation and guidance of a preceptor.

**EMT 280B Paramedic Co-op Work Experience (2 Credits)**

**Prerequisites:** EMT 294, EMT 295 and department approval.

If a student has taken two 1-credit CWEs during the academic year, this 2-credit CWE must be taken in order to reach 4 credits of CWE required by the program. The CWE will provide the educational field internship experience on an Advanced Life Support Ambulance, required to prepare the student to achieve licensure as a Paramedic. The field internship allows the paramedic student to apply learned theory and skills in the internship setting while under the direct observation and guidance of a preceptor. Students must pass a terminal competency exam at the completion of all CWE requirements. Students will need 4 credits of CWE for completion of the Paramedicine degree. This course is meant to be taken during the Summer Term, if the student completed two 1-credit EMT 280A courses in the Winter and Spring Terms.

**EMT 280C Paramedic Co-op Work Experience (3 Credits)**

**Prerequisites:** EMT 294, EMT 295 and department approval.

If a student has taken a 1-credit CWE during the academic year, this 3-credit CWE must be taken in order to reach 4 credits of CWE required by the program. The CWE will provide the educational field internship experience on an Advanced Life Support Ambulance, required to prepare the student to achieve licensure as a Paramedic. The field internship allows the paramedic student to apply learned theory and skills in the internship setting while under the direct observation and guidance of a preceptor. Students must pass a terminal competency exam at the completion of all CWE requirements. Students will need 4 credits of CWE for completion of the Paramedicine degree. This course is meant to be taken if the student completed one 1-credit EMT 280A courses during either the Winter or Spring Terms.

**EMT 290 Paramedic Part I (8 Credits)**

**Corequisites:** EMT 291.

First term of a three-term Didactic Series, including EMT 292 and EMT 294. Focuses on patient assessment; airway/ventilation; pathophysiology of shock; general pharmacology; and respiratory, cardiovascular, neurological, behavioral, and acute abdominal emergencies. Lab setting will begin the process of students' learning of required skills needed of a paramedic, such as IV establishment, medication administration, and patient assessments for a variety of patient presentations.

**EMT 291 Paramedic Part I Clinical (3 Credits)**

**Corequisites:** EMT 290.

This is a competency-based clinical experience, which emphasizes patient assessment, formulation of presumptive diagnoses and treatment plans. The clinical experiences are performed at local hospitals. This is the first of three courses in the clinical setting for a paramedic student. Student must have been accepted into the second year paramedic program.

**EMT 292 Paramedic Part II (8 Credits)**

**Prerequisites:** EMT 290 and EMT 280E.

**Corequisites:** EMT 293.

Offers second term of a three-term course, which includes EMT 290 and EMT 294. Focuses on anaphylactic, toxicological, environmental, geriatric, pediatric, neonatal, and endocrine emergencies; infectious diseases; capnography; special patient populations; hematology; psychiatric care; crime scene preservation; genitourinary care; and trauma care. Applies didactic knowledge to campus-based laboratory skills practice.

**EMT 293 Paramedic Clinical Part II (3 Credits)**

**Prerequisites:** EMT 290 and EMT 291.

**Corequisites:** EMT 292.

This is a competency-based clinical experience, which emphasizes patient assessment, formulation of presumptive diagnoses and treatment plans. The clinical experiences are performed at local hospitals. This is the second of three courses in the clinical setting for a paramedic student. Student must have been accepted into the second year paramedic program.

**EMT 294 Paramedic Part III (8 Credits)**

**Prerequisites:** EMT 292 and EMT 280F.

**Corequisites:** EMT 295.

Offers third term of a three-term course, which includes EMT 290 and EMT 292. Continues on anaphylactic, toxicological, environmental, geriatric, pediatric, neonatal, and endocrine emergencies; infectious diseases; capnography; special patient populations; hematology; psychiatric care; crime scene preservation; genitourinary care; and trauma care. Applies didactic knowledge to campus-based laboratory skills practice.

**EMT 295 Paramedic Clinical Part III (3 Credits)**

**Prerequisites:** EMT 292 and EMT 293.

**Corequisites:** EMT 294.

This is a competency-based clinical experience, which emphasizes patient assessment, formulation of presumptive diagnoses and treatment plans. The clinical experiences are performed at local hospitals. This is the third of three courses in the clinical setting for a paramedic student. Student must have been accepted into the second year paramedic program.

**EMT 296 Advanced Cardiac Life Support (ACLS) (1 Credit)**

The Advanced Cardiovascular Life Support (ACLS) Provider course is designed for healthcare providers who either direct or participate in the management of cardiopulmonary arrest or other cardiovascular emergencies. Through didactic instruction and active participation in simulated cases, the students will enhance their skills and clinical decision-making abilities for the diagnosis and treatment of cardiopulmonary arrest, acute arrhythmia, Stroke, and acute coronary syndromes. At successful completion, students will receive an AHA ACLS card. Department approval is required.

**EMT 297 Pediatric Advanced Life Support (PALS) (1 Credit)**

**Prerequisites:** department approval.

In the Pediatric Advanced Life Support (PALS) course, you will reinforce and enhance your skills in the treatment of pediatric arrest and periarrest through active participation in a series of simulated pediatric emergencies. These simulations are designed to reinforce the important concepts of systematic approach to pediatric assessment, basic life support, PALS treatment algorithms, and effective resuscitation team dynamics. After successful completion of course, students will receive an AHA PALS card. The goal of the PALS course is to improve the quality of care provided to seriously ill or injured children, resulting in improved outcomes.

**EMT 298 Prehospital Trauma Life Support (PHTLS) (1 Credit)**

**Prerequisites:** department approval.

In the Prehospital Trauma Life Support (PHTLS) course, you will reinforce and enhance your skills in the treatment of trauma-associated patients through active participation in a series of simulated traumatic emergencies. These simulations are designed to reinforce the important concepts of systematic approach to recognition, assessment, and treatment of a multitude of multisystem trauma patients. After successful completion, students will receive an NAEMT PHTLS card.

**EMT 299 Selected Topics: Emergency Medical Technician (1-5 Credits)**

This course is in development.