

# EMERGENCY MEDICAL SERVICES

Cascade Campus  
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[www.pcc.edu/programs/emt](http://www.pcc.edu/programs/emt)

## CAREER AND PROGRAM DESCRIPTION

The Emergency Medical Services Department offers career training for entry-level positions in emergency medical settings. Ambulance companies, fire departments, police departments, and various other industries requiring emergency medical services may employ emergency medical technicians. After successful completion of all requirements for EMS-Basic, Intermediate, or Paramedic training, the student is eligible to apply to take the respective state certification exams. Other emergency medical training offered includes First Responder, first aid, CPR and EMT continuing education.

The Emergency Medical Services Department trains and educates EMS professionals to excel in meeting the needs of the community. EMTs respond to medical emergencies by providing immediate care and transportation to the ill and injured. This department combines classroom lectures, hands-on skill labs and appropriate cooperative clinical and field experience to provide students with cognitive, psychomotor and affective competence to function as effective EMTs.

## DEGREES AND CERTIFICATES OFFERED

### Associate of Applied Science Degree

Emergency Medical Technician-Paramedic

### Two-Year Certificate

Emergency Medical Services

## PREREQUISITES AND REQUIREMENTS

1. Placement test scores within the last three years or transcript with course completion. Placement into WR 121 or completion of WR 115 with a grade of C or better. Placement into MTH 60, or completion of MTH 20 with a grade of C or better. Placement into RD 115, or completion of RD 90 with a grade of C or better.
2. Must have completed high school or GED.
3. Must be a minimum of 18 years of age.
4. Must have documented results of: TB exam (within 6 months), MMR (measles immunity) if born after 12-31-56, Tetanus (within past 10 years), Hepatitis B immunization series started, Varicella (chicken pox immunity), influenza (one dose each fall/winter for students receiving placements during the flu season).

Applicants for the Basic and Intermediate levels must meet all prerequisite requirements prior to acceptance into the program. Satisfactory Criminal History Background check and drug screening will be mandatory to qualify for clinical rotations and state certification. The cost for Criminal History Background check and drug screening is the responsibility of the applicant/student. Bring photocopies of transcripts, immunization documentation and completed application to the EMS Department for review. Incomplete applications will not be accepted. Applicants for the paramedic level must complete a departmental selection process. Attendance at

the first class is mandatory. No exceptions. Students missing the first class will be dropped from the roster by the department.

Applicants should be aware that the following questions are asked on the National Registry EMT and/or the Oregon EMT Application:

1. Do you or have you had within the past 10 years, any physical or mental condition that impairs, could impair, or has impaired your ability to perform the duties of an EMT? If you answer yes, explain whether your condition is controlled by medication or other treatment and how your condition treated or untreated, affects your ability to perform the duties of an EMT.
2. Do you or have you used in the last 10 years, any drug or chemical substance for other than legitimate medical purposes that impairs or has impaired your ability to perform the duties of an EMT?
3. Have you been counseled about, diagnosed with, or treated for, a dependency on alcohol or drugs within the last 10 years?
4. Have you ever been arrested, charged with, or convicted of any misdemeanor or felony? (Minor traffic violations need not be reported.)
5. Has an employer or supervising physician taken disciplinary action against you related to your duties as an EMT? (Discipline includes suspension, letter of reprimand, resignation in lieu of termination, a limitation or restriction of scope of practice or dismissal for cause.)
6. Have you been named in a lawsuit alleging medical malpractice or misconduct related to providing medical care?
7. Have you ever been disciplined, denied or revoked by the National Registry of EMTs or any health care certifying/licensing agency?
8. Have you ever surrendered or resigned a health care license or certificate?
9. Have you lived, worked or attended school outside of Oregon for 60 or more consecutive days in the last 5 years?

## EMERGENCY MEDICAL TECHNICIAN – PARAMEDIC AAS DEGREE

Minimum 107 credits. Students must also meet Associate Degree Comprehensive Requirements and Associate of Applied Science Requirements. Students must complete a total of sixteen credits of General Education. Some courses specified within the program may be used as General Education. Students should consult with program advisors for course planning.

### Emergency Medical Technician-Paramedic Degree

#### Credit Summary

EMS	66
BI	12
Remaining General Education	8
WR	4
MTH	4
PSY	4
HPE	3
SP	3
CAS or CIS	3

Credit Total 107

## COURSE OF STUDY

The coursework listed below is required. The following is an example of a term-by-term breakdown.

### First Term

EMS	100	Intro to Emergency Medical Services	3
PSY	101	Psychology/Human Relations* or higher	4
WR	121	English Composition	4
General Education			4

### Second Term

BI	231	Human Anatomy & Physiology I*	4
EMS	105	EMT Basic Part I	5
MTH	65	Introductory Algebra	4
SP	111	Public Speaking *or higher	3

### Third Term

BI	232	Human Anatomy and Physiology II*	4
EMS	106	EMT Basic Part II	5
EMS	116	Emergency Medical Services Rescue	3

### Fourth Term

BI	233	Human Anatomy and Physiology III*	4
EMS	113	Emergency Response Communication/Documentation	2
EMS	114	Emergency Response Patient Transportation	2
EMS	115	Crisis Intervention	3
EMS	118	EMS Medical Terminology	3
General Education			4

### Fifth Term

EMS	240	Paramedic I	13
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### Sixth Term

EMS	242	Paramedic II	9
EMS	244	Paramedic Clinical Internship I	3

### Seventh Term

EMS	246	Paramedic Clinical Internship II	4
EMS	248	Paramedic Field Internship I	2
HPE	295	Health and Fitness for Life	3
CAS or CIS 101 or higher			3

### Eighth Term

EMS	250	Paramedic Field Internship II	7
EMS	252	Paramedic III	2

\*Could be used as General Education

## EMERGENCY MEDICAL SERVICES TWO-YEAR CERTIFICATE

Minimum 61 credits. Students must meet certificate requirements. The Emergency Medical Services Certificate is a related certificate. All courses are contained in the Emergency Medical Technician-Paramedic AAS Degree.

### Emergency Medical Services Certificate Credit Summary

EMS	26
BI	12
Remaining General Education	8
WR	4
MTH	4
PSY	4
SP	3

Credit Total 61

## COURSE OF STUDY

The coursework listed below is required. The following is an example of a term-by-term breakdown.

### First Term

EMS	100	Intro to Emergency Medical Services	3
PSY	101	Psychology/Human Relations or higher	4
WR	121	English Composition	4
General Education			4

### Second Term

BI	231	Human Anatomy & Physiology I	4
EMS	105	EMT Basic Part I	5
MTH	65	Introductory Algebra	4
SP	111	Public Speaking or higher	3

### Third Term

BI	232	Human Anatomy and Physiology II	4
EMS	106	EMT Basic Part II	5
EMS	116	Emergency Medical Services Rescue	3

### Fourth Term

BI	233	Human Anatomy and Physiology III	4
EMS	115	Crisis Intervention	3
EMS	118	EMS Medical Terminology	3
EMS	113	Emergency Response Communication/Documentation	2
EMS	114	Emergency Response Patient Transportation	2
General Education			4

## COURSE DESCRIPTIONS

**EMS 100 Introduction to Emergency Medical Services 3.00** Covers the roles and responsibilities of the EMT, emergency medical services system, medical-legal considerations, major incident response, hazardous materials awareness, and stress management. Audit available.

**EMS 105 EMT Basic Part I 5.00** Designed to develop student skills in the recognition of symptoms of illness and injuries and proper procedures of emergency care. Students will also observe the EMT's role in the hospital emergency department and ambulance during clinical rotation and ride-along experience. Department permission required. Prerequisite: WR 115; MTH 20; RD 90. Audit available.

**EMS 106 EMT Basic Part II 5.00** Part 2 of the Oregon EMT Basic course is a continuation of EMS 105, including preparation for state and national certification exams. Department permission required. Prerequisite: Successful completion of EMS 105 at PCC within the last year. Audit available.

**EMS 113 Emergency Response Communication/Documentation 2.00** 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. Audit available.

**EMS 114 Emergency Response Patient Transportation 2.00** Covers ambulance operations, laws, maintenance and safety, emergency response driving and route planning. Audit available.

**EMS 115 Crisis Intervention 3.00** Covers intervention in behavioral 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 individual as well as coping with emotional conflict within one's self. Audit available.

**EMS 116 Emergency Medical Services Rescue 3.00** Covers the elementary procedures of rescue practices, systems, components, support and control of rescue operations including ladder procedures and basic rescue tools. Introduces techniques and tools of patient extrication, emphasizing application to traffic accidents. Audit available.

**EMS 118 EMS Medical Terminology 3.00** Analysis of anatomical roots, prefixes, and suffixes, and Greek and Latin verbs and adjectives. Helps build a medical vocabulary. Examination of representative anatomical structures, diseases, procedures, tumors, and descriptive terms by simple analysis of words. Audit available.

**EMS 120 Emergency Medical Services: First Responder 3.00** For those who are usually the first person at the scene of trauma or medical emergencies including law enforcement, fire department personnel, etc. Knowledge and skills are developed to provide basic care for trauma, medical and environmental emergencies; evaluation of scene and patients; and appropriate access and use of the Emergency Medical Services System. Must be 16 years of age. Audit available.

**EMS 240 Paramedic I 13.00** Didactic portion covers illness and injury prevention, medical legal issues and well being of the paramedic. Patient care topics include advanced airway, medication math, general principles of pathophysiology of shock, trauma assessment, kinematics, pharmacology, toxicology, drug and alcohol abuse, infection disease, endocrinology, OB/GYN, neonatology, cardiovascular system, EKG monitoring. There will be associated practical labs. Students will be certified in Pre-Hospital Life Support (PHTLS). Department permission required. Prerequisite: WR 121, MTH 60/65, BI 101 BI 231, BI 232, EMS 100, EMS 106, EMS 113, EMS 114, EMS 115, EMS 116, EMS 118. Audit available.

**EMS 242 Paramedic II 9.00** Didactic portion covers EKG review, pediatric, geriatric, acute abdomen, burns, psychiatric disorders, dealing with death and the dying, crime scene preservation, Hazmat awareness, environmental conditions, advanced airway. Students will be certified in Pediatric Education for Pre-hospital Professional (PEPP) and Advance Cardiac Life Support (ACLS). There will be associated practical labs. Department permission required. Prerequisite: EMS 240. Audit available.

**EMS 244 Paramedic Clinic Internship I 3.00** Begin in-hospital clinical experiences including direct patient care responsibilities necessary for completion of the educational objectives. Patients are in a hospital/ clinical setting with disease and injury conditions comparable to those the student will experience in the pre-hospital care situations. Department permission required. Prerequisite: EMS 240.

**EMS 246 Paramedic Clinical Internship II 4.00** Complete in-hospital clinical experience to include direct patient care responsibilities necessary for completion of the program's objectives. The patients in the hospital/ clinical setting shall have disease and injury conditions comparable to those the student will experience in the pre-hospital care situation. Department permission required. Prerequisite: EMS 244.

**EMS 248 Paramedic Field Internship I 2.00** Begins field experience designed to expose students to disease and injury conditions. This segment begins the required 200 hours and number of calls necessary to fulfill the State curriculum. Department permission required. Prerequisite: EMS 244.

**EMS 250 Paramedic Field Internship II 7.00** Complete the field experience necessary to fulfill the required hours and calls necessary for state certification. Department permission required. Prerequisite: EMS 248.

**EMS 252 Paramedic III 2.00** Students successfully complete course final written and practical exam and prepare for the State and National Registry written and practical exam. Department permission required. Prerequisite: EMS 248. Audit available.