

# EMERGENCY MEDICAL SERVICES (EMS)

## EMS 151: EMT Part 1 (6)

Term one of a two-term series. Designed to train personnel to respond to emergency situations to render proper treatment in case of sudden emergencies, accidents or disasters. Course focuses on the recognition and treatment of shock, fractures, poisonings, burns, stroke and heart attack. Must have a high school diploma, GED, or equivalent by the time of application for certification. Must meet standards as set by the Oregon State EMS Office for certification which includes health, driving, immunizations, and background check. Program Coordinator Approval required for admission. 4 lecture, 4 lecture/lab hrs/wk

**Prerequisite:** Completion of placement testing for writing skills at WR115 or higher, and math at MTH020 or higher.

**Terms Typically Offered:** Fall, Spring

## EMS 152: EMT Part 2 (6)

Term two of two-term series. After successful completion of EMS152, the student can apply for certification at the state and national level for EMT Basic. Failure of this course will require retaking the full sequence of EMT Basic courses. 4 lecture, 4 lecture/lab hrs/wk

**Registration-Enforced Prerequisite:** EMS 151.

**Terms Typically Offered:** Winter, Summer

## EMS 153A: EMS Friday Career Academy (3)

Friday Academy EMT Term one of a three-term series. Designed to train personnel to respond to emergency situations to render proper treatment in case of sudden emergencies, accidents or disasters. Course focuses on the recognition and treatment of shock, fractures, poisonings, burns, stroke and heart attack. Must have a high school diploma, GED, or equivalent by the time of application for certification. Must meet standards as set by the Oregon State EMS Office for certification which includes health, driving, immunizations, and background check. Meets or exceeds intent of National Registry. 3 lecture, 3 lecture/lab hrs/wk

**Prerequisite:** Completion of placement testing for writing skills at WR 115 or higher, and math at MTH 20 or higher.

**Terms Typically Offered:** Fall

## EMS 153B: EMS Friday Career Academy (3)

Friday Academy Term two of a three-term series. Designed to train personnel to respond to emergency situations to render proper treatment in case of sudden emergencies, accidents or disasters. Course focuses on the recognition and treatment of shock, fractures, poisonings, burns, stroke and heart attack. Must have a high school diploma, GED, or equivalent by the time of application for certification. Must meet standards as set by the Oregon State EMS Office for certification which includes health, driving, immunizations, and background check. Meets or exceeds intent of National Registry. 3 lec/lab hrs/wk

**Prerequisite:** Completion of placement testing for reading at RD 115 or higher, writing skills at WR 115 or higher, and math at MTH 20 or higher.

**Terms Typically Offered:** Winter

## EMS 153C: EMS Friday Career Academy (6)

Friday Academy Term three of a three-term series. EMT is designed to train personnel to respond to emergency situations to render proper treatment in case of sudden emergencies, accidents, or disasters. This course continues to focus on the recognition and treatment of shock, various medical emergencies, fractures, poisonings, burns, stroke, and heart attack. 4 lecture, 4 lecture/lab hrs/wk

**Terms Typically Offered:** Spring

## EMS 180: Crisis Intervention (3)

Intervention in behavioral crises of: sudden death, suicide, rape, murder, vehicle accidents, disease, trauma, and child abuse. Resources, supporting behavioral patterns, and handling emotional stress of the individual. Coping with emotional conflict within oneself. 3 lecture hrs/wk

**Prerequisite:** EMS 151.

**Terms Typically Offered:** Winter

## EMS 201: Pathophysiology (2)

This course is part of a multi-part program in paramedic education. This course is a comprehensive look at body systems and pathologies that effect those systems. Cognitive and psychomotor domains are measured for competency by a combination of written exams and skill demonstration. The affective domain is measured for competency using published professional standards. A grade of C or better is required to continue in the program series. 2 lecture hrs/wk

**Instructor-Enforced Prerequisite:** BI 231, BI 232, BI 233, EMS 152, MED 111, MTH 095, WR 121Z.

**Terms Typically Offered:** Fall

## EMS 211: General Pharmacology (2)

This course is part 1 of a 2-part course within a multi-part program in paramedic education. This course covers drug classes and functions of drugs at cellular and systemic level. Cognitive and psychomotor domains are measured for competency by a combination of written exams and skill demonstration. The affective domain is measured for competency using published professional standards. A grade of C or better is required to continue in the program series. 2 lecture hrs/wk

**Instructor-Enforced Prerequisite:** BI 213, BI 212, BI 233, EMS 151, EMS, 152, MED 111, MTH 095, WR 121Z.

**Terms Typically Offered:** Fall

## EMS 212: Emergency Pharmacology (2)

This course is part 2 of a 2-part course within a multi-part program in paramedic education. This course covers the medications included in the national registry paramedic curriculum. Cognitive and psychomotor domains are measured for competency by a combination of written exams and skill demonstration. The affective domain is measured for competency using published professional standards. A grade of C or better is required to continue in the program series.

**Registration-Enforced Prerequisite:** EMS 211 2 lecture hrs/wk.

**Terms Typically Offered:** Winter

## EMS 231: Medical Emergencies Part 1 (4)

This course is part 1 of a 2-part course within a multi-part program in paramedic education. This course covers patient assessment, intravenous access, airway management, respiratory emergencies, evidence-based research, medical legal considerations, and behavioral emergencies. Cognitive and psychomotor domains are measured for competency by a combination of written exams and skill demonstration. The affective domain is measured for competency using published professional standards. A grade of C or better is required to continue in the program series. 4 lecture hrs/wk

**Instructor-Enforced Prerequisite:** BI 231, BI 232, BI 233, EMS 151, EMS 152, MED 111, MTH 095, WR 121Z.

**Terms Typically Offered:** Fall

**EMS 232: Medical Emergencies Part 2 (4)**

This course is part 2 of a 2-part course within a multipart program in paramedic education. This course covers cardiovascular, neurologic, abdominal and gastrointestinal, endocrine, toxicological, hematologic, and renal and genitourinary emergencies. Infectious diseases and epidemiology will also be covered. Cognitive and psychomotor domains are measured for competency by a combination of written exams and skill demonstration. The affective domain is measured for competency using published professional standards. A grade of C or better is required to continue in the program series.

**Registration-Enforced Prerequisite:** EMS 231 4 lecture hrs/wk.

**Terms Typically Offered:** Winter

**EMS 233: Trauma Emergencies (4)**

This course covers the knowledge, skill and behaviors required of a paramedic in trauma emergencies. Cognitive and psychomotor domains are measured for competency by a combination of written exams and skill demonstration. The affective domain is measured for competency using published professional standards. A grade of C or better is required to continue in the program series. 4 lecture hrs/wk

**Registration-Enforced Prerequisite:** EMS 232.

**Terms Typically Offered:** Spring

**EMS 241: Basic Electrocardiography (2)**

This course is part 1 of a 2-part course within a multi-part program in paramedic education. This course covers basic principles of the electrocardiograph. Cognitive and psychomotor domains are measured for competency by a combination of written exams and skill demonstration. The affective domain is measured for competency using published professional standards. A grade of C or better is required to continue in the program series. 2 lecture hrs/wk

**Instructor-Enforced Prerequisite:** BI 231, BI 232, BI 233, EMS 151, EMS 152, MED 111, MTH 095, WR 121Z.

**Terms Typically Offered:** Fall

**EMS 242: Advanced Electrocardiography (2)**

This course is part 2 of a 2-part course within a multi-part program in paramedic education. This course covers advanced interpretation of the electrocardiograph, including 12-lead electrocardiograph interpretation. Cognitive and psychomotor domains are measured for competency by a combination of written exams and skill demonstration. The affective domain is measured for competency using published professional standards. A grade of C or better is required to continue in the program series. 2 lecture hrs/wk

**Registration-Enforced Prerequisite:** EMS 241.

**Terms Typically Offered:** Winter

**EMS 243: Special Populations (4)**

This course is a component of the comprehensive paramedic education. This course covers considerations in neonatal, pediatric, and geriatric patient populations. This course also covers OB-GYN emergencies and patients with special needs and disabilities. Cognitive and psychomotor domains are measured for competency by a combination of written exams and skill demonstration. The affective domain is measured for competency using published professional standards. A grade of C or better is required to continue in the program series. 4 lecture hrs/wk

**Registration-Enforced Prerequisite:** EMS 232.

**Terms Typically Offered:** Spring

**EMS 251: Paramedic Part 1 (3)**

This course is part 1 of a 3-part lab series for Paramedicine. Cognitive and psychomotor domains are measured for competency by a combination of practical exams and skill demonstration. The affective domain is measured for competency using published professional standards. A grade of C or better is required to continue in the program series. 6 lecture/lab hrs/wk

**Instructor-Enforced Prerequisite:** BI 231, BI 232, BI 233, EMS 151, EMS 152, MTH 095, WR 121Z.

**Terms Typically Offered:** Fall

**EMS 252: Paramedic Lab Part 2 (3)**

This course is part 2 of a 3-part lab series for Paramedicine. Cognitive and psychomotor domains are measured for competency by a combination of practical exams and skill demonstration. The affective domain is measured for competency using published professional standards. A grade of C or better is required to continue in the program series. 6 lecture/lab hrs/wk

**Prerequisite:** EMS 251.

**Terms Typically Offered:** Winter

**EMS 253: Paramedic Lab Part 3 (3)**

This course is part 3 of a 3-part lab series for Paramedicine. Cognitive and psychomotor domains are measured for competency by a combination of practical exams and skill demonstration. The affective domain is measured for competency using published professional standards. A grade of C or better is required to continue in the program series. 6 lecture/lab hrs/wk

**Registration-Enforced Prerequisite:** EMS 252.

**Terms Typically Offered:** Spring

**EMS 261: Paramedic Clinical Part 1 (4)**

Begin in-hospital clinical experience including direct patient care responsibilities necessary for completion of the educational goals and 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. Begin field experience designed to expose students to disease and injury conditions. This segment begins with the required 250 hours of clinical experience and the number of pre-hospital calls necessary to fulfill the State curriculum. 12 practicum hrs/wk

**Registration-Enforced Prerequisite:** EMS 252, 252 and Department approval.

**Terms Typically Offered:** Winter

**EMS 262: Paramedic Clinical Part 2 (4)**

Continue in-hospital clinical experience including direct patient care responsibilities necessary for completion of the educational goals and 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. Continue field experience designed to expose students to disease and injury conditions. Department permission is required. 12 practicum hrs/wk

**Registration-Enforced Prerequisite:** EMS 261.

**Terms Typically Offered:** Spring

**EMS 263: Paramedic Field Internship (8)**

Field internship is the final phase of the student's paramedic education. The student will work on an emergency ambulance as a third team member where they will be evaluated by a Paramedic preceptor. The student will apply the didactic knowledge, psychomotor skills, and clinical instruction in delivering advanced patient care in the field setting. Department permission is required. Co-Requisite: EMS253 and EMS 254. 24 practicum hrs/wk

**Registration-Enforced Prerequisite:** EMS 262 and Department Approval required.

**Terms Typically Offered:** Summer

**EMS 280: CWE-EMS (1-13)**

Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. 1 credit = 33 hours of lab

**Registration-Enforced Prerequisite:** Instructor approval.

**Terms Typically Offered:** Fall, Winter, Spring, Summer