

EMS – Paramedic
Course Offerings

EMS 211 Prehospital Emergency Pharmacology

Lectures relating specific emergencies to the types of medications used for treatment. Includes classifications, actions, indications, administration and dosages, precautions and side effects of each of the medications used in prehospital treatment of medical and traumatic emergencies. In addition, students learn common prescription medications found in the home. 3 credits
Prerequisite: CHE 210.

EMS 218 Trauma Emergencies

Introduces the epidemiology and kinematics of trauma, and integrates the assessment findings with pathophysiology in the management of the acutely injured patient. Discusses considerations for special patient populations and includes a Prehospital Trauma Life Support certification course. 3 credits

EMS 231 Medical Emergencies I

The first in a series of three courses addressing the epidemiology and pathophysiology of various medical complaints; integrates assessment findings with the formulation of a treatment plan for the acute illness. 4 credits

EMS 232 Medical Emergencies II

A continuation of the series of three courses addressing the epidemiology and pathophysiology of various medical complaints; integrates assessment findings with the formulation of a treatment plan for the acute illness. 3 credits
Prerequisite: EMS 231.

EMS 233 Medical Emergencies III

The conclusion of the sequence in medical emergencies where the epidemiology, pathophysiology and assessment findings are integrated to form a treatments plan for acute illnesses in the emergency setting. 3 credits
Prerequisite: EMS 232.

EMS 235 Basic Electrocardiography

Fundamentals of electrocardiography and interpretation of normal and abnormal ECG patterns. Normal and abnormal wave patterns, presentation and treatment of common cardiac diseases. 3 credits

EMS 236 Advanced Electrocardiography

Building upon basic EKG knowledge, this course advances into 12-lead EKG interpretation and prehospital treatment. Focusing on signs and symptoms of ischemia or infarction, axis deviation, and other EKG anomalies, students learn about various treatment modalities. 3 credits

EMS 241 Paramedic Crisis Resource Management I

The first in a series of 3 courses addressing human factors contribution to EMS scene management. PCRM I focuses on human error, perception modalities, human emotion and motivation, and teamwork theory. 3 credits

EMS 242 Paramedic Crises Resource Management II

The second class in a series of 3 courses addressing the theory and practice of human factors contribution to EMS scene management. PCRM 2 focuses on the following human factor contributions to scene performance; review of acute healthcare environment challenges, cognitive attention, and crisis communication strategies. 1 credit
Prerequisite EMS 241.

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EMS 243 Paramedic Crises Resource Management III

The third class in a series of 3 courses addressing the theory and practice of human factors contribution to EMS scene management. PCRM III focuses on the following human factor contributions to scene performance; stress and coping on decision-making, on-scene leadership characteristics, and organizational influences on error. 1 credit

Prerequisite: EMS 242

EMS 271 Paramedic Skills Laboratory Part I

The first of three courses reviews EMT level skills and introduces the advanced level paramedic skills. Students learn safe and effective skills performance and begin to integrate assessment, management and skills performance. 3 credits

EMS 272 Paramedic Skills Laboratory Part I

The second course in the series continues the development of advanced level skills proficiency. Students integrates knowledge of specific patient complaints with assessment and management skills. 2 credits

Prerequisite: EMS 271.

EMS 273 Paramedic Skills Laboratory Part I

The third course in the series of advanced level skills development. Students demonstrate proficiency and prepare for paramedic licensing examinations. 1 credit

Prerequisite: EMS 272.

EMS 283 Clinical Practicum I

Focusing on the emergency medical practices of a paramedic, students integrate classroom studies into clinical practices while working under the direct supervision of health care professionals. 6 credits

Prerequisites: CHE 210, EMS 218, EMS 231, EMS 235, EMS 241, EMS 271.

EMS 284 Clinical Practicum II

Students integrate knowledge and skills with patient care practices as they rotate through clinical experience in a variety medical specialties. Students work under the direct supervision of health care professionals in each medical specialty. 6 credits

Prerequisites: CHE 210, EMS 218, EMS 231, EMS 235, EMS 241, EMS 271.

EMS 291 Paramedic Field Externship Practicum I

The first of two field experience courses with an affiliated advanced life support agency. Students complete an orientation to the field and work under the direct supervision of a paramedic preceptor responding to 911 emergency calls. 4 credits

EMS 292 Paramedic Field Externship Practicum II

The continuation of the field experience courses with an affiliated advanced life support agency. Students work in the field and work under the direct supervision of a paramedic preceptor responding to 911 emergency calls. 12 credits

Prerequisites: EMS 291