

Course Code: EMS 115

Course Title: Paramedic III

Department: Allied Health

Effective Date: Summer 2026

PCS Code: 1.2 - Occupational/Technical Instruction

CIP Code: 51.0904

Repeatability: 0

Credit Hours

Catalog Notation: 4-4-5

Credit Hour Distribution:

Lecture: 4

Lab: 2

Clinical: 2

Total: 5

General Course Information

Catalog Description

Advanced treatment and assessment of pediatric and trauma patients, including advanced life support, mass casualty operations, hazardous material incidents, and general ambulance operations.

General Course Objectives

Advanced treatment and assessment of pediatric and trauma patients, ambulance operations, hazardous materials, and mass casualty incident operations. International Trauma Life Support (ITLS) certificate is included in this course.

Minimum Placement Levels

English	Reading	Math
Placement into ENG 098	Placement into CCS 098	Placement into MAT 060

Prerequisites

Credit in EMS 114

Methods of Evaluation

15-20 quizzes; 2-4 hours of community service; 10-20 demonstrations of skills; 3-5 objective exams; 3-5 practical exams.

Instructional Materials and Additional Supplies

Current edition of assigned textbook with online platform.

Course Content

General Learning Outcomes (GLOs)

- Reasoning and Inquiry: Students will demonstrate the ability to solve problems using deductive reasoning and logic, quantitative reasoning, or the scientific method.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Kinematics of Trauma	1. Explain the physical forces that result in trauma due to blunt and penetrating injuries. 2. Respond to an injury based on the principles of kinematics. 3. Construct/develop a treatment plan for injuries related to blunt and penetrating injuries based on the principles of kinematics.	4	1	1
Advanced Trauma Assessment	1. Demonstrate the critical steps in the assessment of the trauma patient. 2. Explain tools required to perform a complete assessment of the medical patient. 3. Construct/develop the assessment and treatment of the trauma patient using a variety of scenarios with high and medium fidelity simulation.	4	3	6
Musculoskeletal Injuries	1. Describe the mechanisms of injury that result in injuries to the musculoskeletal system. 2. Review the anatomy and physiology of the musculoskeletal system. 3. Outline and explain the patient assessments related to musculoskeletal injuries. 4. Construct/develop the management plan for musculoskeletal injuries in a trauma patient.	3	2	2
Increased Intracranial Pressure	1. Review the anatomy and physiology of the neurological system. 2. Explain and identify the concept of increased intracranial pressure and how it is managed in the prehospital setting. 3. Construct/develop the management plan for head injuries resulting in increased intracranial pressure in the prehospital setting.	3	1	2
Head and Face Trauma	1. Describe the mechanisms of injury that result in injuries to the head and face. 2. Review the anatomy and physiology of the head and face. 3. Explain and outline the patient assessments related to head and facial injuries. 4. Construct/develop the management plan for head and facial injuries.	3	1	2
Spinal Trauma	1. Describe the mechanisms of injury that result in injuries to the spine. 2. Review the anatomy and physiology of the spine. 3. Construct/develop the management plan related to spinal injuries. 4. Demonstrate techniques in the management of spinal injuries.	3	1	1
Abdominal Trauma	1. Describe the mechanisms of injury that result in injuries to the abdomen. 2. Review the anatomy and physiology of the abdomen. 3. Explain and outline the patient assessments related to abdominal injuries. 4. Construct/develop the management plan related to the management of abdominal injuries.	3	1	4
Injuries to the Chest	1. Describe the mechanisms of injury that result in injuries to the chest. 2. Review the anatomy and physiology of the chest system. 3. Explain and outline the patient assessments related to chest injuries. 4. Construct/develop the management plan for chest injuries.	3	1	3

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Trauma Resuscitation	1. Discuss the overlapping assessments and treatment modalities of the multiple trauma patient using a variety of scenarios. 2. Explain and construct/develop an assessment and treatment necessary for successful trauma resuscitation.	3	1	1
International Trauma Life Support (ITLS)	1. Determine when to employ principles of International Trauma Life Support Standards. 2. Follow the steps and demonstrate the application of skills determined for treatment under the International Trauma Life Support Standards.	8	8	0
Ambulance Operations	1. Identify current local and state standards that influence ambulance design. 2. Describe the rationale of standard equipment and staffing of ambulances. 3. Explain and state local legislation related to the operation of ambulances.	3	2	6
Air Transport	1. Describe the use of air transport for critical patients. 2. Outline and explain the ground preparation required for an emergency landing of a helicopter. 3. Demonstrate safe transport of patients using air transport.	3	1	0
Hazardous Materials	1. Describe the recognition of a hazardous materials incident. 2. Describe the steps needed in management of a hazardous materials scene. 3. Respond to and demonstrate the use of decontamination techniques for hazardous materials scenes.	3	1	0
Responding to Terrorist Acts	1. Describe how to recognize a terrorist incident. 2. Demonstrate the steps needed to manage a terrorist incident from an EMS perspective.	3	0	0
Medical Incident Management	1. Define medical incident management. 2. Demonstrate the concepts of START triage. 3. Explain the need for organized medical management at the scene of an incident.	3	0	0
Rural EMS	1. Describe the complications of providing care in a rural setting. 2. Explain and react to medical and traumatic emergencies particular to the rural setting. 3. Construct/develop the management plan for medical and traumatic emergencies in a rural setting.	3	1	1
Critical Transfers	1. Describe the federal guidelines for safe transfer of patients from one facility to another. 2. Explain/outline the steps of assessment and packaging in order to safely transfer a patient from one facility to another. 3. Using a variety of scenarios, construct/develop the management plan for the safe transfer of critical patients.	3	1	1
Comprehensive Summary and Review	1. Evaluate a patient and prioritize a treatment plan based on knowledge and skills of all previous content. 2. Construct a treatment plan based on knowledge and skills of all previous content.	2	4	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
60	30	30