

## Paramedic (PARM) Program Outcome Mapping

**Program Outcomes #1 - 1-1:** At the completion of this unit, the paramedic student will understand his or her roles and responsibilities within an EMS system, and how these roles and responsibilities differ from other levels of providers.

**Courses:** PARM 102, 111

**Assessments:** Assessed through classroom training and discussion and written testing

**Program Outcome #2 – 1-2:** At the completion of this unit, the paramedic student will understand and value the importance of personal wellness in EMS and serve as a healthy role model for peers.

**Courses:** PARM 102, 111

**Assessments:** Assessed through classroom training and discussion and written testing

**Program Outcome #3 - 1-3:** At the completion of this unit, the paramedic student will be able to integrate the implementation of primary injury prevention activities as an effective way to reduce death, disabilities and health care costs.

**Courses:** PARM 102, 111

**Assessments:** Assessed through classroom training, discussion, case study scenarios and written testing

**Program Outcome #4 - 1-4:** At the completion of this unit, the paramedic student will understand the legal issues that impact decisions made in the out-of-hospital environment.

**Courses:** PARM 102, 111

**Assessments:** Assessed through classroom training, discussion, case study scenarios and written testing

**Program Outcome #5 - 1-5:** At the completion of this unit, the paramedic student will understand the role that ethics plays in decision-making in the out-of-hospital environment.

**Courses:** PARM 102, 111

**Assessments:** Assessed through classroom training, discussion, case study scenarios and written testing

**Program Outcome #6 - 1-6:** At the completion of this unit, the paramedic student will be able to apply the general concepts of pathophysiology for the assessment and management of emergency patients.

**Courses:** PARM 102, 111

**Assessments:** Assessed through classroom training, discussion, case study scenarios, lab training and written testing. Students also complete the corresponding National Registry Skills Portfolio forms for assessments.

**Program Outcome #7 - 1-7:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles of pharmacology and the assessment findings to formulate a field impression and implement a pharmacologic management plan.

**Courses:** PARM 102, 111, 112

**Assessments:** Assessed through classroom training, discussion, case study scenarios, lab training and

**written testing. Students also complete the corresponding National Registry Skills Portfolio forms for assessments.**

**Program Outcome #8 -1-8:** At the completion of this unit, the paramedic student will be able to safely and precisely access the venous circulation and administer medications.

**Courses:** PARM 102, 111, 112, 116

**Assessments:** Assessed through classroom training, discussion, skills practice, completing the National Registry Skills Portfolio forms, and through peer and preceptor evaluations. The students are evaluated by the instructor before they are allowed to administer to patients in the field

**Program Outcome #9 -1-9:** At the completion of this unit, the paramedic student will be able to integrate the principles of therapeutic communication to effectively communicate with any patient while providing care.

**Courses:** PARM 102, 111, 112

**Assessments:** Assessed through classroom training, discussion, case study scenarios, skills practice in the classroom and written testing.

**Program Outcome #10-1-10:** At the completion of this unit, the paramedic student will be able to integrate the physiological, psychological, and sociological changes throughout human development with assessment and communication strategies for patients of all ages.

**Courses:** PARM 112

**Assessments:** Assessed through classroom training, discussion, case study scenarios and written testing

**Program Outcome #11 - 2-1:** At the completion of this unit, the paramedic student will be able to establish and/ or maintain a patient airway, oxygenate, and ventilate a patient.

**Courses:** PARM 102, 115, 116, 216

**Assessments:** Assessed through classroom training, discussion, case study scenarios, completing National Registry Skills Portfolio forms, evaluated by instructor and peers, and written/skills testing.

**Program Outcome #12 - 3-1:** At the completion of this unit, the paramedic student will be able to use the appropriate techniques to obtain a medical history from a patient.

**Courses:** PARM 102, 115, 116

**Assessments:** Assessed through classroom training, discussion, case study scenarios, completing National Registry Skills Portfolio forms, evaluated by instructor and peers, and written/skills testing.

**Program Outcome #13 - 3-2:** At the completion end of this unit, the paramedic student will be able to explain the pathophysiological significance of physical exam findings.

**Courses:** PARM 115, 116

**Assessments:** Assessed through classroom training, discussion, case study scenarios and written testing

**Program Outcome #14 - 3-3:** At the end of this unit, the paramedic student will be able to integrate the

principles of history taking and techniques of physical exam to perform a patient assessment.

**Courses:** PARM 115, 116

**Assessments:** Assessed through classroom training, discussion, case study scenarios and written testing. Students also complete the corresponding National Registry Skills Portfolio forms and have evaluations by peers and instructor.

**Program Outcome #15 - 3-4:** At the end of this unit, the paramedic student will be able to apply a process of clinical decision making to use the assessment findings to help form a field impression.

**Courses:** PARM 115, 116

**Assessments:** Assessed through classroom training, discussion, case study scenarios and written testing. Skills practice through scenarios with peer and instructor evaluations.

**Program Outcome #16 - 3-5:** At the completion of this unit, the paramedic student will be able to follow an accepted format for dissemination of patient information in verbal form, either in person or over the radio.

**Courses:** PARM 115, 116

**Assessments:** Assessed through classroom training with skills practice through scenarios

**Program Outcome #17 - 3-6:** At the completion of this unit, the paramedic student will be able to effectively document the essential elements of patient assessment, care and transport.

**Courses:** PARM 115

**Assessments:** Assessed through classroom training, homework assignments, and discussion.

**Program Outcome #18 - 4-1:** At the completion of this unit, the Paramedic student will be able to integrate the principles of kinematics to enhance the patient assessment and predict the likelihood of injuries based on the patient's mechanism of injury.

**Courses:** PARM 102, 200

**Assessments:** Assessed through classroom training, discussion, skills scenarios, and written testing.

**Program Outcome #19 - 4-2:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with shock or hemorrhage.

**Courses:** PARM 102, 200, 216

**Assessments:** Assessed through classroom training, discussion, skills scenarios and written testing.

**Students will also complete the National Registry Skills Portfolio forms that correspond to this.**

**Program Outcome #20 - 4-3:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement the treatment plan for the patient with soft tissue trauma.

**Courses:** PARM 200, 216

**Assessments:** Assessed through classroom training, discussion, skills scenarios and written testing.

**Students will also complete the National Registry Skills Portfolio forms that correspond to this.**

**Program Outcome #21 - 4-4:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement the management plan for the patient with a burn injury.

**Courses:** PARM 200, 216

**Assessments:** Assessed through classroom training, discussion, skills scenarios and written testing.

**Program Outcome #22 - 4-5:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement a treatment plan for the trauma patient with a suspected head injury.

**Courses:** PARM 200

**Assessments:** Assessed through classroom training, discussion, skills scenarios and written testing.

**Program Outcome #23 - 4-6:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement a treatment plan for the patient with a suspected spinal injury.

**Courses:** PARM 200, 216

**Assessments:** Assessed through classroom training, discussion, skills scenarios and written testing.

**Program Outcome #24 - 4-7:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement a treatment plan for a patient with a thoracic injury.

**Courses:** PARM 200, 216

**Assessments:** Assessed through classroom training, discussion, skills scenarios and written testing.

**Program Outcome #25 - 4-8:** At the completion of this unit, the paramedic student will be able to integrate pathophysiologic principles and the assessment findings to formulate a field impression and implement the treatment plan for the patient with suspected abdominal trauma.

**Courses:** PARM 200

**Assessments:** Assessed through classroom training, discussion, skills scenarios and written testing.

**Program Outcome #26 - 4-9:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement the treatment plan for the patient with a musculoskeletal injury.

**Courses:** PARM 200

**Assessments:** Assessed through classroom training, discussion, skills scenarios and written testing.

**Program Outcome #27 - 5-1:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with respiratory problems.

**Courses:** PARM 210, 216

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #28 - 5-2:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with cardiovascular disease.

**Courses:** PARM 102, 210, 216

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #29 - 5-3:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with a neurological problem.

**Courses:** PARM 102, 213, 216

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #30 - 5-4:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the patient with an endocrine problem.

**Courses:** PARM 213

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #31 - 5-5:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the patient with an allergic or anaphylactic reaction.

**Courses:** PARM 213

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #32 - 5-6:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with a gastroenterologic problem.

**Courses:** PARM 213

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #33 - 5-7:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement a treatment plan for the patient with a renal or urologic problem.

**Courses:** PARM 213

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #34 - 5-8:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the patient with a toxic exposure.

**Courses:** PARM 213

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #35 - 5-9:** At the completion of this unit, the paramedic student will be able to integrate the pathophysiological principles of the hematopoietic system to formulate a field impression and implement a treatment plan.

**Courses:** PARM 213, 216

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills

**scenarios and written testing.**

**Program Outcome #36 - 5-10:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with an environmentally induced or exacerbated medical or traumatic condition.

**Courses:** PARM 213

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #37 - 5-11:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with infectious and communicable diseases.

**Courses:** PARM 213, 216

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #38 - 5-12:** At the end of this unit, the paramedic student will be able to describe and demonstrate safe, empathetic competence in caring for patients with behavioral emergencies.

**Courses:** PARM 213, 216

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #39 - 5-13:** At the end of this unit, the paramedic student will be able to utilize gynecological principles and assessment findings to formulate a field impression and implement the management plan for the patient experiencing a gynecological emergency.

**Courses:** PARM 213, 216, 219

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #40 - 5-14:** At the completion of this unit, the paramedic student will be able to apply an understanding of the anatomy and physiology of the female reproductive system to the assessment and management of a patient experiencing normal or abnormal labor.

**Courses:** PARM 213, 219

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #41 - 6-1:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for a neonatal patient.

**Courses:** PARM 215, 219

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #42 – 6-2:** At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the pediatric patient.

**Courses:** PARM 215, 219

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #43- 6-3:** At the completion of this unit, the paramedic student will be able to integrate the pathophysiological principles and the assessment findings to formulate and implement a treatment plan for the geriatric patient.

**Courses:** PARM 102, 215, 219

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #44 - 6-4:** At the completion of this unit, the paramedic student will be able to integrate the assessment findings to formulate a field impression and implement a treatment plan for the patient who has sustained abuse or assault.

**Courses:** PARM 215, 219

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #45 - 6-5:** At the completion of this unit the paramedic student will be able to integrate pathophysiological and psychosocial principles to adapt the assessment and treatment plan for diverse patients and those who face physical, mental, social and financial challenges.

**Courses:** PARM 215

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #46 - 6-6:** At the completion of this unit, the paramedic student will be able to integrate the pathophysiological principles and the assessment findings to formulate a field impression and implement a treatment plan for the acute deterioration of a chronic care patient.

**Courses:** PARM 215, 219

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #47 - 8-1:** At the completion of this unit, the paramedic will understand standards and guidelines that help ensure safe and effective ground and air medical transport.

**Courses:** PARM 220

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #48 - 8-2:** At the completion of this unit, the paramedic student will be able to integrate the principles of general incident management and multiple casualty incident (MCI) management techniques in order to function effectively at major incidents.

**Courses:** PARM 220

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.

**Program Outcome #49 - 8-3:** At the completion of this unit, the paramedic student will be able to integrate the principles of rescue awareness and operations to safely rescue a patient from water, hazardous atmospheres, trenches, highways, and hazardous terrain.

**Courses:** PARM 220

**Assessments:** Assessed through classroom training, discussion, homework assignments, skills scenarios and written testing.