

PARAMEDIC (PMED)

PMED 1011 Paramedic I (8 Credits)

This course introduces the student to the role and responsibilities of the paramedic. The student is provided with the fundamental knowledge and skills necessary to provide advanced life support to individuals of all ages requiring pre-hospital treatment.

Prerequisites: Admission to the Emergency Medical Technician (EMT) Paramedic Certificate or Paramedic Studies Degree Program.

Prerequisite or corequisite: PMED 1020 or equivalent transfer credit

Previous: Legacy Equivalent(s): PMD*111, EMT*111

PMED 1012 Paramedic II (8 Credits)

Building on concepts presented in PMED 1011, this course is designed to provide the student with knowledge concerning the pathophysiology and management of pre-hospital advanced life support of patients presenting with problems associated with selected body systems, including the cardiovascular and neurological systems. Concepts of pharmacology, shock, trauma, legal issues and trends are integrated into the discussion of the units planned in this course. Also included are principles of telemetry, emphasizing the role and responsibilities of the paramedic. Clinical laboratory experiences in and acute health care setting are selected for students to provide emergency care for adults and/or children on medical, surgical, cardiac, and/or emergency units. In addition, certification in Advanced Cardiac Life Support (ACLS) sponsored by the American Heart Association is provided and required.

Prerequisites: PMED 1011 and PMED 1020 with a minimum grade of "C" in each course.

Prerequisite or corequisite: PMED 1021 or equivalent transfer credit

Previous: Legacy Equivalent(s): PMD* 112

PMED 1013 Paramedic III (7 Credits)

Building on concepts presented in PMED 1011, PMED 1012, PMED 1020, and PMED 1021, this course is designed to provide the student with knowledge concerning the pathophysiology and management of pre-hospital advanced life support of patients presenting with problems associated with selected body systems, including the gastrointestinal, endocrine, and genitourinary systems. Concepts of pharmacology, shock, trauma, legal issues and trends are integrated into the discussion of the units planned in this course. Emphasis is placed on management of pediatric patients. Clinical laboratory experiences in and acute health care setting are selected for students to provide emergency care for adults and/or children on medical, surgical, obstetric, gynecologic, neonatal and/or emergency units. In addition, certification in Pediatric Advanced Life Support (PALS) sponsored by the American Heart Association is provided and required.

Prerequisites: PMED 1021 with a minimum grade of "C" in each course

Previous: Legacy Equivalent(s): PMD* 115

PMED 1020 Anatomy and Physiology for Emergency Care I (2 Credits)

This two-credit course is designed to help the paramedic student master terminology, basic concepts, and principles important to an understanding of the human body. The course will cover a general organization of the human body as well as the integumentary, musculoskeletal, nervous, and cardiovascular systems. The course is taken to assist in the understanding of pathophysiology as it relates to illness and disease in the emergency medical field.

Prerequisites: Permission of the Department Chair

Previous: Legacy Equivalent(s): PMD* 116

PMED 1021 Anatomy and Physiology for Emergency Care II (2 Credits)

This course is a continuation of PMED 1020. It discusses additional body systems as it relates to anatomy and physiology with an emphasis on health-related and clinical topics. Disease process and patient manifestations will be discussed as they relate to patient care in the emergency medical services arena.

Prerequisites: PMED 1020

Previous: Legacy Equivalent(s): PMD* 117

PMED 2014 Paramedic IV (7 Credits)

Utilizing concepts presented in PMED 1011, PMED 1012, PMED 1013, PMED 1020 and PMED 1021, this course is designed to allow the student to develop skills necessary to provide advanced life support to individuals of all ages requiring pre-hospital interventions. It affords the student opportunity to demonstrate proficiency in delivering pre-hospital care accomplished through the use of assigned preceptors by utilizing acute health care settings and mobile intensive care units. In addition, certification in Prehospital Trauma Life Support (PHTLS) sponsored by the National Association of Emergency Medical Technicians (NAEMT) is provided and required. Upon completion of this course, students will be eligible to take the National Registry of Emergency Medical Technicians (NREMT) certification examinations to become nationally certified as a paramedic.

Prerequisites: PMED 1021 with a "C" or higher.

Previous: Legacy Equivalent(s): PMD* 211

PMED 2100 Foundations of Community Paramedicine (3 Credits)

This course introduces the foundational concepts of community paramedicine and mobile integrated healthcare (MIH-CP). Students explore the evolution of EMS from emergency response to community health integration, examining healthcare systems, reimbursement models, legal and ethical considerations, and the community paramedic's role within interdisciplinary teams. Emphasis is placed on understanding population health, public health principles, and the transition from acute care to preventative and wellness-focused interventions.

Prerequisites: Program permission.

Prerequisite or corequisite: Students must have earned either a paramedic certificate or Paramedic Studies - AS degree from an accredited institution.

PMED 2195 Community Health Paramedic - Clinical Practice (7 Credits)

This course introduces the clinical concepts of community paramedicine and mobile integrated health (MIH-CP). This course integrates clinical practical knowledge and skills from Foundations of Community Paramedicine through intensive field internship and simulation experiences. Students function in the community paramedic role under supervision of an OEMS endorsed MIH EMS agency, conducting home visits, performing comprehensive assessments, developing care plans, and coordinating with healthcare teams. The course includes care-based seminars, simulation scenarios, and preparation for the IBSC CP-C certification examination.

Prerequisites: Program permission PMED 2100 - Foundations of Community Paramedicine

Prerequisite or corequisite: Students must have earned either a paramedic certificate or Paramedic Studies - AS degree from an accredited institution.