



"Commitment to Excellence"

May 31, 2024

Re: Addendum 8.1 – Program Catalog & Student Reference Guide

Section: Certificate of Completion – EMT-Paramedic

Sub-section: Graduation Requirements

PM001 Paramedic I

Course Description

This module will consist of EMS preparatory, EMS systems, Roles and Responsibilities of the Paramedic, work force safety and wellness, EMS research, Public Health, Medical/Legal aspects, Ethics, EMS Systems Communications, Documentation, HIV/AIDS Education, Pathophysiology, Human Life Span Development, Emergency Pharmacology, Drug calculations, Intravenous Access and medication administration, Airway management and ventilation, Scene size-up, Primary and secondary assessment, Therapeutic communication, history taking, patient monitoring technology, and pulmonology.

Course Prerequisites: Valid Emergency Medical Technician License
Valid BLS Healthcare Provider Card

Course Objectives:

At the completion of PM001, the paramedic student will be able to demonstrate the knowledge and principles associated with the Emergency Medical Services to include:

- Acquire an introductory knowledge of the foundations of Paramedicine.
- Integrate comprehensive knowledge of the EMS system.
- Integrate comprehensive knowledge of roles and responsibilities of the paramedic.
- Integrate comprehensive knowledge of the safety/well-being of the paramedic.
- Apply fundamental knowledge of principles of public health and epidemiology including public health emergencies, health promotion, and illness and injury prevention.
- Integrate comprehensive knowledge of the legal and ethical issues, which is intended to improve the health of EMS personnel, patients, and the community.
- Understand principles of EMS communication.



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- Understand principles of medical documentation, report writing and recording patient findings.
- Integrate medical terminology often utilized in EMS documentation.
- Integrate comprehensive knowledge of medical administration.
- Integrate comprehensive knowledge of emergency medications.
- Integrate comprehensive knowledge of ground ambulance operations.
- Integrate comprehensive knowledge of patient assessment.

Clock Hours: 311 Lecture/Theory: 106 Lab: 65 Clinical: 80 Field: 60

Programs starting after June 1, 2024:

Clock Hours: 293 Lecture/Theory: 92 Lab: 61 Clinical: 80 Field: 60



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PM002 Paramedic II

Course Description

This module will consist of: Cardiology, Neurology, Endocrinology, Immunology, Gastroenterology, Urology and Nephrology, Toxicology and Substance Abuse, Hematology, Infectious Disease and Sepsis, Psychiatric and behavioral disorders, Diseases of the eye, ears, nose and throat, non-traumatic musculoskeletal disorders.

Course Prerequisites: PM001
Valid Emergency Medical Technician License

Course Objectives:

At the completion of PM002, the paramedic student will be able to demonstrate the knowledge and principles associated with Medical Emergencies to include:

- Familiar with main structures and functions of the cardiovascular systems anatomy and physiology.
- Integrate comprehensive knowledge of 3-lead electrocardiogram (ECG) monitoring and indicate the placement of 12-lead ECG electrodes.
- Integrate comprehensive knowledge of the systematic approach to the analysis and interpretation of cardiac dysrhythmias.
- Integrate comprehensive knowledge of ECG characteristics, possible causes, signs and symptoms, and initial emergency care for dysrhythmias.
- Applies fundamental knowledge of the emergency medical care of adult patients with cardiac arrest.
- Integrate comprehensive knowledge of the primary structures of the respiratory system and the role of the respiratory system in breathing, cardiovascular regulation, and renal function.
- Integrate comprehensive knowledge of the factors that contribute to a general impression of the patient's condition and an accurate estimation of his or her degree of respiratory distress.
- Apply fundamental knowledge of the incidence, morbidity, and mortality of neurologic emergencies.
- Integrate comprehensive knowledge of facial anatomy and relates physiology to facial disorders.
- Integrate comprehensive knowledge of the incidence, morbidity, and mortality of gastrointestinal emergencies.



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- Integrate comprehensive knowledge of the anatomy and physiology of the male and female urinary systems: kidneys, ureters, urinary bladder, and urethra.

Clock Hours: 275 Lecture/Theory: 84 Lab: 51 Clinical: 80 Field: 60

Programs starting after June 1, 2024:

Clock Hours: 284 Lecture/Theory: 82 Lab: 62 Clinical: 80 Field: 60



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PM003 Paramedic III

Course Description

This module will consist of: Trauma and Trauma systems (including Trauma scored methodology), Blunt trauma, Penetrating trauma, Hemorrhage and shock, Soft tissue trauma, Burn trauma, Orthopedic trauma, Thoracic trauma, Abdominal trauma, Head facial neck and spinal trauma, Nervous system trauma, Environmental trauma, Special considerations in trauma, Gynecology, Obstetrics, Neonatology, Pediatrics, Geriatrics, Abuse neglect and assault, The challenged patient, Acute interventions for the chronic patient.

Course Prerequisites: PM002

Course Objectives:

At the completion of PM003, the paramedic student will be able to demonstrate the knowledge and principles associated with Medical Emergencies to include.

- Integrate comprehensive knowledge of anatomy and physiology of the female reproductive system.
- Integrate comprehensive knowledge of anatomy and physiology of the organs and structures of the endocrine system.
- Integrate comprehensive knowledge of communicable disease.
- Integrate comprehensive knowledge of toxicology, poison, and overdose.
- Integrate comprehensive knowledge of the purpose of the immune system.
- Integrate comprehensive knowledge of the possible causes of behavioral emergencies, including drug overdoses, violent behavior, and mental illness.
- Integrate comprehensive knowledge of trauma and Mechanism of Injury including components as it relates to bleeding, soft tissue injuries, burns, face and neck, head and spine, chest, musculoskeletal injuries: abdominal and genitourinary trauma,
- Integrate comprehensive knowledge of factors that affect how a person deals with exposure to a cold or hot environment and how each one relates to emergency medical care.
- Integrate comprehensive knowledge of the process of conception and fetal development, from ovulation to the fetal stage, and Neonatal Care.
- Integrate comprehensive knowledge of the challenges inherent in providing emergency care to pediatric patients and why effective communication with both the patient and his or her family members is crucial to a successful outcome.
- Integrate comprehensive knowledge of Geriatric Emergencies.
- Integrate comprehensive knowledge of how poverty and homelessness adversely impact patient health and EMS system performance.



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Clock Hours: 235 Lecture/Theory: 52 Lab: 47 Clinical: 40 Field: 96

Programs starting after June 1, 2024:

Clock Hours: 289 Lecture/Theory: 93 Lab: 60 Clinical: 40 Field: 96



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PM004 Paramedic IV

Course Description

This module will consist of the necessary hours and necessary cognitive objectives required for certification. It also includes AHA courses: ACLS & PALS, NAEMT course: PHTLS. Cognitive/psychomotor objectives must be completed throughout the program, but Preceptorship is done during this CAPSTONE period.

Course Prerequisites: PM003

Course Objectives:

At the completion of PM004, the paramedic student will be able to demonstrate the knowledge and principles associated with Medical Emergencies to include.

- Integrate comprehensive knowledge of the medical equipment, safety equipment, and operations equipment carried on an emergency medical vehicle.
- Integrate comprehensive knowledge of the federal requirements for the minimum entry-level certifications of paramedics and other emergency personnel in incident command system (ICS) training.
- Integrate comprehensive knowledge of the three levels of training in technical rescue incidents in the context of NFPA 1006, Standards for Technical Rescue Personnel Professional Qualifications.
- Integrate comprehensive knowledge of the guidelines for assisting special rescue teams in the context of NFPA 1670, Standard on Operations and Training for Technical Search and Rescue Incidents.
- Integrate comprehensive knowledge of the hazard classification system used by the National Fire Protection Association (NFPA).
- Integrate comprehensive knowledge of the role of emergency medical technicians (EMTs) and paramedics as described by the Bureau of Labor Statistics.
- Integrate comprehensive knowledge of the significance of potential violence that can occur on an emergency medical services call, including the settings in which violence is more likely to occur.

Clock Hours: 289 Lecture/Theory: 80 Lab: 65 Clinical: 0 Field: 144

Programs starting after June 1, 2024:

Clock Hours: 244 Lecture/Theory: 49 Lab: 51 Clinical: 0 Field: 144



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Replaced Section:

PM001 Paramedic I

Course Description

This module will consist of EMS preparatory, EMS systems, Roles and Responsibilities of the Paramedic, work force safety and wellness, EMS research, Public Health, Medical/Legal aspects, Ethics, EMS Systems Communications, Documentation, HIV/AIDS Education, Pathophysiology, Human Life Span Development, Emergency Pharmacology, Drug calculations, Intravenous Access and medication administration, Airway management and ventilation, Scene size-up, Primary and secondary assessment, Therapeutic communication, history taking, patient monitoring technology, and pulmonology.

Course Prerequisites: Valid Emergency Medical Technician License
Valid BLS Healthcare Provider Card

Course Objectives:

At the completion of PM001, the paramedic student will be able to demonstrate the knowledge and principles associated with the Emergency Medical Services to include:

- Acquire an introductory knowledge of the foundations of Paramedicine.
- Integrate comprehensive knowledge of the EMS system.
- Integrate comprehensive knowledge of roles and responsibilities of the paramedic.
- Integrate comprehensive knowledge of the safety/well-being of the paramedic.
- Apply fundamental knowledge of principles of public health and epidemiology including public health emergencies, health promotion, and illness and injury prevention.
- Integrate comprehensive knowledge of the legal and ethical issues, which is intended to improve the health of EMS personnel, patients, and the community.
- Understand principles of EMS communication.
- Understand principles of medical documentation, report writing and recording patient findings.
- Integrate medical terminology often utilized in EMS documentation.
- Integrate comprehensive knowledge of medical administration.
- Integrate comprehensive knowledge of emergency medications.



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- Integrate comprehensive knowledge of ground ambulance operations.
- Integrate comprehensive knowledge of patient assessment.

Clock Hours: 311 Lecture/Theory: 106 Lab: 65 Clinical: 80 Field: 60

PM002 Paramedic II

Course Description

This module will consist of: Cardiology, Neurology, Endocrinology, Immunology, Gastroenterology, Urology and Nephrology, Toxicology and Substance Abuse, Hematology, Infectious Disease and Sepsis, Psychiatric and behavioral disorders, Diseases of the eye, ears, nose and throat, non-traumatic musculoskeletal disorders.

Course Prerequisites: PM001
Valid Emergency Medical Technician License

Course Objectives:

At the completion of PM002, the paramedic student will be able to demonstrate the knowledge and principles associated with Medical Emergencies to include:

- Familiar with main structures and functions of the cardiovascular systems anatomy and physiology.
- Integrate comprehensive knowledge of 3-lead electrocardiogram (ECG) monitoring and indicate the placement of 12-lead ECG electrodes.
- Integrate comprehensive knowledge of the systematic approach to the analysis and interpretation of cardiac dysrhythmias.
- Integrate comprehensive knowledge of ECG characteristics, possible causes, signs and symptoms, and initial emergency care for dysrhythmias.
- Applies fundamental knowledge of the emergency medical care of adult patients with cardiac arrest.
- Integrate comprehensive knowledge of the primary structures of the respiratory system and the role of the respiratory system in breathing, cardiovascular regulation, and renal function.
- Integrate comprehensive knowledge of the factors that contribute to a general impression of the patient's condition and an accurate estimation of his or her degree of respiratory distress.



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- Apply fundamental knowledge of the incidence, morbidity, and mortality of neurologic emergencies.
- Integrate comprehensive knowledge of facial anatomy and relates physiology to facial disorders.
- Integrate comprehensive knowledge of the incidence, morbidity, and mortality of gastrointestinal emergencies.
- Integrate comprehensive knowledge of the anatomy and physiology of the male and female urinary systems: kidneys, ureters, urinary bladder, and urethra.

Clock Hours: 275 Lecture/Theory: 84 Lab: 51 Clinical: 80 Field: 60

PM003 Paramedic III

Course Description

This module will consist of: Trauma and Trauma systems (including Trauma scored methodology), Blunt trauma, Penetrating trauma, Hemorrhage and shock, Soft tissue trauma, Burn trauma, Orthopedic trauma, Thoracic trauma, Abdominal trauma, Head facial neck and spinal trauma, Nervous system trauma, Environmental trauma, Special considerations in trauma, Gynecology, Obstetrics, Neonatology, Pediatrics, Geriatrics, Abuse neglect and assault, The challenged patient, Acute interventions for the chronic patient.

Course Prerequisites: PM002

Course Objectives:

At the completion of PM003, the paramedic student will be able to demonstrate the knowledge and principles associated with Medical Emergencies to include.

- Integrate comprehensive knowledge of anatomy and physiology of the female reproductive system.
- Integrate comprehensive knowledge of anatomy and physiology of the organs and structures of the endocrine system.
- Integrate comprehensive knowledge of communicable disease.
- Integrate comprehensive knowledge of toxicology, poison, and overdose.
- Integrate comprehensive knowledge of the purpose of the immune system.
- Integrate comprehensive knowledge of the possible causes of behavioral emergencies, including drug overdoses, violent behavior, and mental illness.



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- Integrate comprehensive knowledge of trauma and Mechanism of Injury including components as it relates to bleeding, soft tissue injuries, burns, face and neck, head and spine, chest, musculoskeletal injuries: abdominal and genitourinary trauma,
- Integrate comprehensive knowledge of factors that affect how a person deals with exposure to a cold or hot environment and how each one relates to emergency medical care.
- Integrate comprehensive knowledge of the process of conception and fetal development, from ovulation to the fetal stage, and Neonatal Care.
- Integrate comprehensive knowledge of the challenges inherent in providing emergency care to pediatric patients and why effective communication with both the patient and his or her family members is crucial to a successful outcome.
- Integrate comprehensive knowledge of Geriatric Emergencies.
- Integrate comprehensive knowledge of how poverty and homelessness adversely impact patient health and EMS system performance.

Clock Hours: 235 Lecture/Theory: 52 Lab: 47 Clinical: 40 Field: 96

PM004 Paramedic IV

Course Description

This module will consist of the necessary hours and necessary cognitive objectives required for certification. It also includes AHA courses: ACLS & PALS, NAEMT course: PHTLS. Cognitive/psychomotor objectives must be completed throughout the program, but Preceptorship is done during this CAPSTONE period.

Course Prerequisites: PM003

Course Objectives:

At the completion of PM004, the paramedic student will be able to demonstrate the knowledge and principles associated with Medical Emergencies to include.

- Integrate comprehensive knowledge of the medical equipment, safety equipment, and operations equipment carried on an emergency medical vehicle.
- Integrate comprehensive knowledge of the federal requirements for the minimum entry-level certifications of paramedics and other emergency personnel in incident command system (ICS) training.



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- Integrate comprehensive knowledge of the three levels of training in technical rescue incidents in the context of NFPA 1006, Standards for Technical Rescue Personnel Professional Qualifications.
- Integrate comprehensive knowledge of the guidelines for assisting special rescue teams in the context of NFPA 1670, Standard on Operations and Training for Technical Search and Rescue Incidents.
- Integrate comprehensive knowledge of the hazard classification system used by the National Fire Protection Association (NFPA).
- Integrate comprehensive knowledge of the role of emergency medical technicians (EMTs) and paramedics as described by the Bureau of Labor Statistics.
- Integrate comprehensive knowledge of the significance of potential violence that can occur on an emergency medical services call, including the settings in which violence is more likely to occur.

Clock Hours: 289 Lecture/Theory: 80 Lab: 65 Clinical: 0 Field: 144