

MetroAtlanta

EMS Academy Consortium

Paramedic Course Descriptions

MA 100 Preparatory Class: 40 hours Lab: 8 hours

This course integrates comprehensive knowledge of EMS systems, the safety/well-being of the paramedic and medical/legal and ethical issues which is intended to improve the health of EMS personnel, patients, and the community.

MA 101 Anatomy & Physiology Class: 48 hours Lab: 0 hours

An in-depth introduction to anatomy and physiology as it relates to the human body. Topics include Basic chemistry, directional terminology, cellular structure, and all body systems. *Prerequisite: MA 100*

MA 102 Pathophysiology Class: 44 hours Lab: 12 hours

Comprehension and review of body fluids and electrolytes, acid-base balance, and understanding of the body's response to maintain homeostasis. Integrates comprehensive knowledge of human life span development from neonate to end of life. Applies fundamental knowledge of principles of public health and epidemiology, including public health emergencies, health promotion, and illness/injury prevention. *Prerequisite: MA 101*

MA 103 Pharmacology Class: 50 hours Lab: 30 hours

Covers the principles of pharmacology, medication administration, emergency medications used in the pre-hospital environment, and drug dose calculations. *Prerequisite: MA 102*

MA 104 Airway Management Class: 16 hours Lab: 32 hours

Integrates complex knowledge of anatomy, physiology, and pathophysiology into the assessment to develop and implement a treatment plan with the goal of assuring a patent airway, adequate mechanical ventilation, and respiration for patients of all ages. *Prerequisite: MA 103*

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MA 105 Patient Assessment Class: 12 hours Lab: 12 hours

Enhance a student's understanding of the scene and patient assessment findings with knowledge of epidemiology and pathophysiology to form a field impression. This will include developing a list of differential diagnoses through clinical reasoning to modify the assessment and formulate a treatment plan. *Prerequisite: MA 104*

MA 106 Medical Emergencies I Class: 53 hours Lab: 19 hours

Integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient with a cardiovascular complaint. Students will complete an AHA ACLS course complete the module. *Prerequisite: MA 105*

MA 107 Medical Emergencies II Class 60 hours Lab: 36 hours

Integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient experiencing a medical emergency. Students will successfully complete an AMLS course in order to complete the module. *Prerequisite: MA 106*

MA 108 Trauma Class: 36 hours Lab: 20 hours

Integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and to implement a comprehensive treatment/disposition plan for an acutely injured patient. Students will complete a PHTLS course as part of the module. *Prerequisite: MA 107*

MA 109 Special Considerations Class: 42 hours Lab: 22 hours

Identification of special needs patients to include assessment, treatment modalities for Obstetrics, Neonatology, Pediatrics, Geriatrics, and patients with special challenges. The student will complete an EPC course as part of the module. *Prerequisite: MA 108*

MA 110 Operations Class: 27 hours Lab: 5 hours

Knowledge of operational roles and responsibilities to ensure safe patient, public, and personnel safety FEMA WMD Nuclear/Radiological Awareness will be offered as part of the module. *Prerequisite: MA 109*

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MA 200 Clinical Rotations Clinical: 120 hours

This module introduces the student to supervised clinical experiences in various clinical settings.

MA 201 Clinical Rotations Clinical: 120 hours

This module exposes the student to supervised clinical experiences in various clinical settings. *Prerequisite: MA 200*

MA 202 Clinical Rotations Clinical: 120 hours

This module exposes the student to supervised clinical experiences in various clinical settings. *Prerequisite: MA 201*

MA 300 Capstone Clinical: 60 hours

Pre-requisites: MA 100, MA 101, MA 102, MA 103, MA 104, MA 105, MA 106A, MA 106B, MA 107, MA 108, MA 109, MA 200, MA 201, MA 202.

Completion of ACLS, AMLS, PHTLS, and EPC certifications.

A final assessment of the paramedic's ability to show leadership during the patient encounters. Students must complete this module prior to final examinations and graduation.