

# **MetroAtlanta**

## **EMS Academy Consortium**

### **Paramedic Course Descriptions**

<b>MA</b>	<b>100</b>	<b>Preparatory</b>	<b>Class: 40 hours</b>	<b>Lab: 8 hours</b>
<p>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.</p>				
<b>MA</b>	<b>101</b>	<b>Anatomy &amp; Physiology</b>	<b>Class: 48 hours</b>	<b>Lab: 0 hours</b>
<p>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.</p>				
<b>MA</b>	<b>102</b>	<b>Pathophysiology</b>	<b>Class: 44 hours</b>	<b>Lab: 12 hours</b>
<p>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.</p>				
<b>MA</b>	<b>103</b>	<b>Pharmacology</b>	<b>Class: 50 hours</b>	<b>Lab: 30 hours</b>
<p>Covers the principles of pharmacology, medication administration, emergency medications used in the pre-hospital environment, and drug dose calculations.</p>				
<b>MA</b>	<b>104</b>	<b>Airway Management &amp; Ventilation</b>	<b>Class: 16 hours</b>	<b>Lab: 32 hours</b>
<p>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 ventilations and respiration for patients of all ages.</p>				

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<b>MA</b>	<b>105</b>	<b>Patient Assessment</b>	<b>Class: 12 hours</b>	<b>Lab: 12 hours</b>
<p>Enhance a student's understanding of 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.</p>				
<b>MA</b>	<b>200</b>	<b>Clinical Rotations</b>	<b>Clinical: 120 hours</b>	
<p>This module introduces the student to supervised clinical experiences in various clinical settings.</p>				
<b>MA</b>	<b>106</b>	<b>Medical Emergencies I</b>	<b>Class: 53 hours</b>	<b>Lab: 19 hours</b>
<p>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.</p>				
<b>MA</b>	<b>107</b>	<b>Medical Emergencies II</b>	<b>Class 60</b>	<b>Lab: 36 hours</b>
<p>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.</p>				
<b>MA</b>	<b>201</b>	<b>Clinical Rotations</b>	<b>Clinical: 120 hours</b>	
<p>This module exposes the student to supervised clinical experiences in various clinical settings.</p> <p>Pre-requisites: MA 200A</p>				
<b>MA</b>	<b>108</b>	<b>Trauma</b>	<b>Class: 36 hours</b>	<b>Lab: 20 hours</b>
<p>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.</p>				

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**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.

**MA 110 Operations Class: 27 hours Lab: 5 hours**

Knowledge of operational roles and responsibilities to ensure safe patient, public and personnel safety. AWR 140 course- FEMA WMD Nuclear/Radiological Awareness will be offered as part of the module.

**MA 202 Clinical Rotations Clinical: 120 hours**

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

Pre-requisites: MA 2011, MA 200B

**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 200A, MA 200B, MA 200C. Completion of ACLS, AMLS, PHTLS, and EPC certifications.

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