



Paramedic Course Descriptions:

EMS 1222 Prehospital Fundamental Concepts

Semester Credit Hours	Lecture	Lab	Contact Hours
2	1	2	45

This course includes a comprehensive review of the knowledge base and skills for the prehospital provider. The lecture component expands previous knowledge of foundational principles of EMS to the level of the advanced clinician. This course also seeks to establish best-practice models in concepts such as documentation, research, and personal well-being. A laboratory experience is included in this course to provide a more robust learning experience in topics such as medical, legal, and ethical issues

EMS 1231 Prehospital Operation and Incident Management

Semester Credit Hours	Lecture	Lab	Contact Hours
1	1	0	15

This course expands knowledge of operational roles and responsibilities of the advanced prehospital provider. This course is lecture only and is designed to ensure the safety of personnel, patient, and public safety.

EMS 1262 Prehospital Pharmacology

Semester Credit Hours	Lecture	Lab	Contact Hours
2	1	2	45

The Pharmacology I course contains topics related to the principles of pharmacologic interventions, including an overview of medication research and classifications. The laboratory component includes the theory related to intravenous/intraosseous access, medication administration, and injections.





EMS 1362 Prehospital Respiratory Management

Semester Credit Hours	Lecture	Lab	Contact Hours
2	1	2	45

This course integrates complex knowledge of anatomy, physiology, and pathophysiology into the assessment to develop and implement a treatment plan with the goal of assuring a patient airway, adequate ventilation, and respiration for patients of all ages experiencing a variety of respiratory conditions. The course includes a lab component which integrates airway topics into the use of airway and ventilation adjuncts, including supraglottic airways.

EMS 1373 Prehospital Medical Management

Semester Credit Hours	Lecture	Lab	Contact Hours
3	2	2	60

Description: This course consists of the theory, anatomy, physiology, pathophysiology associated with various medical diseases from a body-systems approach. The lab experience includes theoretical concepts developed during lecture to incorporate advanced level skills.

EMS 1384 Prehospital Trauma Management

Semester Credit Hours	Lecture	Lab	Contact Hours
3	2	2	75

This course consists of the theory, anatomy, physiology, pathophysiology associated with various traumatic injuries from a body-systems approach. The lab experience includes theoretical concepts developed during lecture to incorporate advanced level skills.

EMS 1543 Prehospital Paramedic Pharmacology

Semester Credit Hours	Lecture	Lab	Contact Hours
3	2	2	60

The Prehospital Paramedic Pharmacology course contains topics related to the medication administration for acutely ill or injured patients and chronic care medications. The laboratory component includes the application of pharmacological principles to patient conditions, including infusion calculations.





EMS 1552 Prehospital Paramedic Respiratory Management

Semester Credit Hours	Lecture	Lab	Contact Hours
2	1	2	45

This course builds upon already established knowledge of complex knowledge of anatomy, physiology, and pathophysiology into the assessment to develop and implement a treatment plan with the goal of assuring a patient airway, adequate ventilation, and respiration for patients of all ages experiencing a variety of respiratory conditions with a focus on advanced-level interventions. The course includes a lab component which integrates airway topics into the use of airway and ventilation adjuncts, including endotracheal and other advanced airway procedures.

EMS 2764 Prehospital Paramedic Cardiology Management

Semester Credit Hours	Lecture	Lab	Contact Hours
4	2	4	90

This course consists of the theory, anatomy, physiology, pathophysiology associated with cardiac dysrhythmia management. The lab experience includes ACLS concepts with intensive skill practices.

EMS 2773 Prehospital Paramedic Medical Management

Semester Credit Hours	Lecture	Lab	Contact Hours
3	2	2	60

This course builds upon the previously lectured theory, anatomy, physiology, pathophysiology associated with various medical diseases from a body-systems approach. An increased focused is applied to paramedic-level interventions in acute/chronic care patients. The lab experience includes theoretical concepts developed during lecture to incorporate advanced level skills for various medical conditions.

EMS 2863 Prehospital Paramedic Maternal, Child, and Special Populations Management

Semester Credit Hours	Lecture	Lab	Contact Hours
3	2	2	60

This course consists of the theory, anatomy, physiology, pathophysiology, and treatments associated with conditions of gynecology, obstetrics, neonatal, pediatric, and other lifespan issues. The lab component allows the student to practice skill-heavy lecture topics, including field delivery and resuscitation.





EMS 2883 Prehospital Paramedic Care Capstone

Semester Credit Hours	Lecture	Clinical	Contact Hours
3	0	9	135

This course serves as the capstone experience at the conclusion of paramedic didactic material. It will provide the student with a final review of topics and the opportunity to integrate their cognitive knowledge and psychomotor skills through cumulative practical skill evaluations and a comprehensive final examination.

EMS 1533 Prehospital Practicum I

Semester Credit Hours	Lecture	Clinical	Contact Hours
3	0	9	135

Using supervised rotations in a definitive care setting, the students will apply the concepts developed in the didactic and laboratory courses to live patients. This will include, but not be limited to rotations in the emergency department, ICU, operating room, respiratory therapy, pediatrics, and the field.

EMS 2784 Prehospital Practicum II

Semester Credit Hours	Lecture	Clinical	Contact Hours
4	0	12	180

As a continuation of Practicum I, this course uses supervised rotations in definitive care settings to continually develop assessment, treatment, and affective skills. The student will transition to primarily field experiences upon achieving competencies in the hospital settings.

EMS 2873 Prehospital Practicum III

Semester Credit Hours	Lecture	Clinical	Contact Hours
3	0	9	135

Building upon Practicum I & II, the student will, under the supervision of an approved program preceptor, integrate concepts developed in the didactic, laboratory, and clinical settings to the care of patients in the field setting.





EMS 2893 Prehospital Paramedic Practicum Capstone

Semester Credit Hours	Lecture	Clinical	Contact Hours
3	1	4	75

A final internship which builds upon Practicum I, II & III, the student will, under the supervision of an approved program preceptor, integrate concepts developed in the didactic, laboratory, and clinical settings to the care of patients in the field setting with a focus on team leadership.

EMS 1593 Paramedic Bridge

Semester Credit Hours	Lecture	Lab	Contact Hours
3	3	0	45

This course is a comprehensive review of the knowledge base and skills for the Advanced EMT wishing to enter into further paramedic training who did not participate in the previous AEMT/Paramedic courses. It includes lecture/lab on a range of topics pertaining to pathophysiology, medical, and trauma emergencies for patients of all ages.

