

# EMERGENCY MEDICAL SERVICE (531)

## 531-100 - EMR/EMT 1

(Prerequisite: Acceptance in the EMT program or Fire Protection Technician program required including health requirements and criminal background check. Students must be 18 years of age to be eligible for licensure.)

3 Credit hours

54 Lecture hours

54 Lab hours

## 531-101 - EMT 2

(Prerequisite: Completion of or concurrent enrollment in 531-100 EMR/EMT 1)

4 Credit hours

72 Lecture hours

72 Lab hours

## 531-103 - AEMT

New course.

4 Credit hours

80 Lecture hours

80 Lab hours

## 531-104 - Advanced EMT Clinical

New course.

1 Credit hours

72 Other hours

## 531-301 - EMT

This course prepares students for all aspects of emergency medical care, both medical and trauma situations, sanctioned by the Wisconsin Division of Health, at the basic level. Following the most current Wisconsin Revision of the National Standard Curriculum, this course includes didactic and practical skill information in the following areas: legal aspects, anatomy and physiology, patient assessment, critical thinking skills, airway adjuncts, fractures and dislocations, spinal injuries, soft tissue wounds, pharmacology, stroke, cardiac, diabetic, respiratory, altered mental status, pediatric, geriatric, ambulance operations, and triage. Successful completion of this course prepares the learner for the National Registry practical and written examination at the EMT level. (Prerequisites: Acceptance in the EMT program or Fire Protection Technician program required including health requirements and criminal background check. Students must be 18 years of age to be eligible for licensure.)

5 Credit hours

72 Lecture hours

108 Lab hours

## 531-304 - Advanced Emergency Medical Technician

Students gain skills in IV access and fluid therapy as well as administration of aspirin, 50% dextrose, narcan, atrovant, epinephrine and nitroglycerine. Meets state Advanced EMT licensure requirements. A State of Wisconsin EMT - License is required to enroll in this course. (Prerequisite: 531-301 Emergency Medical Technician. Acceptance in the Advanced EMT program required including health requirements and criminal background check. Students must be a licensed EMT and maintain such licensure throughout the course.)

4 Credit hours

72 Lecture hours

36 Lab hours

72 Other hours

## 531-911 - EMS Fundamentals

Provides paramedic students with comprehensive knowledge of EMS systems, safety, well-being, legal issues, and ethical issues, with the intended outcome of improving the health of EMS personnel, patients, and the community. Students obtain fundamental knowledge of public health principles and epidemiology as related to public health emergencies, health promotion, and illness/injury prevention. Introduces students to comprehensive anatomical and medical terminology and abbreviations, fostering the development of effective written and oral communications with colleagues and other healthcare professionals.

(Prerequisites: 531-100 EMR/EMT 1; 531-101 EMT 2. Concurrent enrollment in 531-912 Paramedic Medical Principles; 531-913 Patient Assessment Principles; 531-914 Prehospital Pharmacology; 531-915 Paramedic Respiratory Management; 531-916 Paramedic Cardiology; 531-917 Paramedic Clinical Field 1. Acceptance in the EMT-Paramedic or Paramedic Technician program required including health requirements and criminal background check. Students must be a licensed EMT or AEMT and maintain such licensure throughout the program.)

2 Credit hours

36 Lecture hours

## 531-912 - Paramedic Medical Principles

Addresses the complex depth of anatomy, physiology, and pathophysiology of major human systems while also introducing the paramedic students to the topics of shock, immunology, and bleeding. (Prerequisites: Concurrent enrollment in 531-911 EMS Fundamentals; 531-913 Patient Assessment Principles; 531-914 Prehospital Pharmacology; 531-915 Paramedic Respiratory Management; 531-916 Paramedic Cardiology; 531-917 Paramedic Clinical Field 1)

4 Credit hours

72 Lecture hours

## 531-913 - Advanced Patient Assessment Principles

Teaches the paramedic student to integrate scene and patient assessment findings with knowledge of epidemiology and pathophysiology to form a field impression. By utilizing a structured and organized assessment process with knowledge of anatomy, physiology, pathophysiology, life span development, and changes that occur to the human body with time, the students will learn to develop a list of differential diagnoses through clinical reasoning, along with the ability to modify the assessment as necessary to formulate a treatment plan for their patients. (Prerequisites: Concurrent enrollment in 531-911 EMS Fundamentals; 531-912 Paramedic Medical Principles; 531-914 Prehospital Pharmacology; 531-915 Paramedic Respiratory Management; 531-916 Paramedic Cardiology; 531-917 Paramedic Clinical Field 1)

3 Credit hours

36 Lecture hours

36 Lab hours

## 531-914 - Prehospital Pharmacology

Provides the paramedic student with the comprehensive knowledge of pharmacology required to formulate and administer a pharmacological treatment plan intended to mitigate emergencies and improve the overall health of the patient. (Prerequisites: Concurrent enrollment in 531-911 EMS Fundamentals; 531-912 Paramedic Medical Principles; 531-913 Patient Assessment Principles; 531-915 Paramedic Respiratory Management; 531-916 Paramedic Cardiology; 531-917 Paramedic Clinical Field 1)

3 Credit hours

36 Lecture hours

36 Lab hours

**531-915 - Paramedic Respiratory Management**

Teaches the paramedic student to integrate 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 mechanical ventilation, and respiration for patients of all ages. Specific knowledge pertaining to the respiratory system is also provided to ensure the student is prepared to formulate a field impression and implement a comprehensive treatment plan for a patient with a respiratory complaint. (Prerequisites: Concurrent enrollment in 531-911 EMS Fundamentals; 531-912 Paramedic Medical Principles; 531-913 Patient Assessment Principles; 531-914 Prehospital Pharmacology; 531-916 Paramedic Cardiology; 531-917 Paramedic Clinical Field 1)

2 Credit hours

18 Lecture hours

36 Lab hours

**531-916 - Paramedic Cardiology**

Teaches the paramedic student to integrate assessment findings with principles of cardiovascular anatomy, physiology, epidemiology, and pathophysiology to formulate a field impression and implement a comprehensive treatment plan for a patient with a cardiovascular complaint. (Prerequisites: Concurrent enrollment in 531-911 EMS Fundamentals; 531-912 Paramedic Medical Principles; 531-913 Patient Assessment Principles; 531-914 Prehospital Pharmacology; 531-915 Paramedic Respiratory Management; 531-917 Paramedic Clinical Field 1)

4 Credit hours

54 Lecture hours

36 Lab hours

**531-917 - Paramedic Clinical Field 1**

Provides the student with the opportunity to enhance learning through the practice of paramedicine in field and health care environment experiences with actual patients under the supervision of instructors or approved preceptors. Students may also have the opportunity to participate in formal high-fidelity human patient simulator experiences as a part of this course. (Prerequisites: Concurrent enrollment in 531-911 EMS Fundamentals; 531-912 Paramedic Medical Principles; 531-913 Patient Assessment Principles; 531-914 Prehospital Pharmacology; 531-915 Paramedic Respiratory Management; 531-916 Paramedic Cardiology)

3 Credit hours

216 Other hours

**531-918 - Advanced Emergency Resuscitation**

By teaching Advanced Cardiac Life Support (ACLS) and Pediatric Advanced Life Support (PALS) methodologies and protocols, this course prepares paramedic students in the integration of comprehensive knowledge of causes and pathophysiology into the management of shock, respiratory failure, respiratory arrest, cardiac arrest, and peri-arrest states with an emphasis on early intervention to prevent respiratory and/or cardiac arrest if possible. (Prerequisites: 531-916 Paramedic Cardiology; 531-917 Paramedic Clinical Field 1. Concurrent enrollment in 531-919 Paramedic Medical Emergencies; 531-920 Paramedic Trauma; 531-921 Special Patient Populations; 531-922 EMS Operations; 531-923 Paramedic Capstone; 531-924 Paramedic Clinical Field 2)

1 Credit hours

36 Lab hours

**531-919 - Paramedic Medical Emergencies**

Teaches paramedic students to integrate assessment findings with principles of anatomy, physiology, epidemiology, and pathophysiology to formulate a field impression and implement a comprehensive treatment plan for a patient with a medical complaint. (Prerequisites: Concurrent enrollment in 531-918 Advanced Resuscitation; 531-920 Paramedic Trauma; 531-921 Special Patient Populations; 531-922 EMS Operations; 531-923 Paramedic Capstone; 531-924 Paramedic Clinical Field 2)

4 Credit hours

72 Lecture hours

**531-920 - Paramedic Trauma**

Teaches paramedic students to integrate assessment findings with principles of anatomy, physiology, epidemiology, and pathophysiology to formulate a field impression and implement a comprehensive treatment plan for an acutely injured patient. (Prerequisites: Concurrent enrollment in 531-918 Advanced Resuscitation; 531-919 Paramedic Medical Emergencies; 531-921 Special Patient Populations; 531-922 EMS Operations; 531-923 Paramedic Capstone; 531-924 Paramedic Clinical Field 2)

3 Credit hours

36 Lecture hours

36 Lab hours

**531-921 - Special Patient Populations**

Teaches paramedic students to integrate assessment findings with principles of anatomy, physiology, epidemiology, and pathophysiology to formulate a field impression and implement a comprehensive treatment plan for patients with special needs. Gynecological emergencies, along with special considerations in trauma are also included within this course. (Prerequisites: Concurrent enrollment in 531-918 Advanced Resuscitation; 531-919 Paramedic Medical Emergencies; 531-920 Paramedic Trauma; 531-922 EMS Operations; 531-923 Paramedic Capstone; 531-924 Paramedic Clinical Field 2)

3 Credit hours

36 Lecture hours

36 Lab hours

**531-922 - EMS Operations**

Provides paramedic students with the knowledge of operational roles and responsibilities to ensure patient, public, and EMS personnel safety. (Prerequisites: Concurrent enrollment in 531-918 Advanced Resuscitation; 531-919 Paramedic Medical Emergencies; 531-920 Paramedic Trauma; 531-921 Special Patient Populations; 531-923 Paramedic Capstone; 531-924 Paramedic Clinical Field 2)

1 Credit hours

18 Lecture hours

**531-923 - Paramedic Capstone**

Provides students with a final opportunity to incorporate their cognitive knowledge and psychomotor skills through labs and scenario based practice and evaluations prior to taking the National Registry written and practical examinations. Technical skills attainment (TSA) for each student will be compiled and/or documented with in this course as required by DHS-approved paramedic curriculum. (Prerequisites: Concurrent enrollment in 531-918 Advanced Resuscitation; 531-919 Paramedic Medical Emergencies; 531-920 Paramedic Trauma; 531-921 Special Patient Populations; 531-922 EMS Operations; 531-924 Paramedic Clinical Field 2)

1 Credit hours

36 Lab hours

**531-924 - Paramedic Clinical Field 2**

Provides students with the opportunity to enhance his or her learning through the practice of paramedicine in field and health care environment experiences with actual patients under the supervision of instructors or approved preceptors. Students may have the opportunity to participate in formal high-fidelity human patient simulator experiences as a part of this course. Successful completion of this course requires the student to meet all clinical and field competency requirements at the paramedic level as defined by WI DHS EMS. (Prerequisites: Concurrent enrollment in 531-918 Advanced Resuscitation; 531-919 Paramedic Medical Emergencies; 531-920 Paramedic Trauma; 531-921 Special Patient Populations; 531-922 EMS Operations; 531-923 Paramedic Capstone)

4 Credit hours  
288 Other hours