

EMT Paramedic Technician

66-credit Associate of Applied Science Degree

About the Program

Learn to perform advanced level pre-hospital care and techniques for private and municipal ambulance services. Gain the skills needed to perform as an integral member of the pre-hospital emergency care team that provides efficient and immediate emergency pre-hospital care to the ill or injured, and continue that care during transport to a medical facility.

Graduates are eligible to take the National Registry of Emergency Medical Technician-Paramedic written and practical examinations in order to be licensed as an EMT - P in Wisconsin.

Potential Job Titles

- EMT - Paramedic
- Emergency Room Technician (ER Tech)
- Firefighter/Paramedic

Admission Process

- Licensure by the State of Wisconsin as an EMT - Basic
- Approval of Associate Dean
- Must be 18 or older
- State of WI EMT - Basic license required
- Program admission subject to priority enrollment policy
- Online admission not available
- Online registration for first and second semester courses is not available

For more information, call 262.691.5541.

Required Courses	Credits
First Semester	
531-151 Paramedic Fundamentals	5
531-152 Paramedic Pharmacology	4
531-155 Respiratory Management	2
531-156 Cardiology I	3
531-157 Clinical I - EMT/Paramedic	4
Total semester credits	18
Second Semester	
531-158 Cardiology II	3
531-159 Medical Emergencies	3
531-164 Paramedic Trauma	3
531-165 Emergency Care for Specialties	3
531-166 EMS Operations	3
531-167 Clinical II - EMT/Paramedic	3
Total semester credits	18
Third Semester	
801-195 Written Communication	3+
806-177 Gen Anatomy & Physiology	4
806-178 Life Science Chemistry	5
809-196 Introduction to Sociology	3+
Total semester credits	15
Fourth Semester	
801-196 Oral/Interpersonal Communication	3+
804-115 College Technical Math I	5+
806-179 Adv Anatomy & Physiology	4
809-199 Psychology of Human Relations	3
Total semester credits	15
+ Proficiency exam available	
<i>Curriculum is current as of catalog printing. The most current curriculum requirements for graduation will be provided upon admission to program, or review at www.wctc.edu.</i>	

**EMT Paramedic Technician
Required Courses****531-151 Paramedic Fundamentals**

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Gain the basic knowledge of the EMS System, roles and responsibilities, well-being of the paramedic, illness and injury prevention, medical-legal aspects, ethics, general principles, pathophysiology, therapeutic communications, history taking, physical exam techniques, patient assessment, clinical decision making, verbal communication and documentation. Learn of the basic principles of shock management.

531-152 Paramedic Pharmacology

4

Develop the knowledge of basic pharmacodynamics. Gain the knowledge and skills required to safely and precisely access the venous circulation, and to select, prepare, and administer appropriate medications used in the treatment of disorders of the major body systems.

Prerequisites: 531-151 Paramedic Fundamentals (or concurrent)

531-155 Respiratory Management

2

Develop the knowledge and skills to establish and/or maintain a patent airway, oxygenate, and ventilate a patient.

Prerequisites: 531-152 Paramedic Pharmacology (or concurrent)

531-156 Cardiology 1

3

Build basic knowledge and skills to integrate pathophysiological principles and assessment findings, with ECG interpretation, in order to formulate a field impression and implement the treatment for the patient with cardiovascular disease.

Prerequisites: 531-155 Respiratory Management (or concurrent)

531-157 Clinical 1 - EMT/Paramedic

4

The student is required to complete 288 hours of documented practical skills application and observation at the beginning EMT-Paramedic level. Perform required skill competencies at a variety of clinical and field internship sites under the direct supervision of an approved preceptor.

Prerequisites: 531-151 Paramedic Fundamentals (or concurrent)

531-158 Cardiology 2

3

Learn the knowledge and skills to integrate a field impression and implement a treatment plan for a patient with Acute Coronary Syndromes (ACS) and includes Advanced Cardiac Life Support (ACLS) certification. Gain an understanding of basic 12-lead ECG interpretation as it applies to the treatment of a patient with ACS.

Prerequisites: 531-157 Clinical 1 - EMT/Paramedic and 531-156 Cardiology 1 and 531-155 Respiratory Management and 531-152 Paramedic Pharmacology and 531-151 Paramedic Fundamentals

531-159 Medical Emergencies

3

Develop the knowledge and skills to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for patients experiencing neurology, endocrine, allergic or anaphylactic emergencies, gastroenterology, renal/urology, toxicology, hematology, environmental emergencies, infectious and communicable diseases, and behavioral and psychiatric disorders.

Prerequisites: 531-158 Cardiology 2 (or concurrent)

531-164 Paramedic Trauma

3

Integrate the principles of kinematics to enhance the patient assessment and predict the likelihood of injuries based on the patient's mechanism of injury. This course includes: soft tissue trauma, burns, head and facial trauma, spinal trauma, abdominal trauma, thoracic trauma, and mechanism of injury trauma systems. Prehospital Trauma Life Support (PHTLS) certification may be available as a part of this course.

Prerequisites: 531-159 Medical Emergencies (or concurrent)

531-165 Emergency Care for Specialties

3

Formulate a field impression and implement a treatment management plan for the patient experiencing a gynecology, obstetric, neonatal, pediatric or geriatric emergency. Also covers the victim of abuse or assault, patients with special challenges, acute interventions in the home care patient, and life span development. This course includes Pediatric Advanced Life Support (PALS) certification and may also include Pediatric Education for Prehospital Professionals (PEPP) and Geriatric Education for Emergency Medical Services (GEMS) certifications.

Prerequisites: 531-164 Paramedic Trauma (or concurrent)

531-166 EMS Operations

3

Learn ambulance operations, medical incident command, rescue awareness, weapons of mass destruction, assessment based management, and NREMT-P preparation.

Prerequisites: 531-165 Emergency Care for Specialties (or concurrent)

531-167 Clinical 2 - EMT/Paramedic

3

The student is required to complete 216 hours of documented practical skills application and observation at the beginning EMT-Paramedic level. Perform required skill competencies at a variety of clinical and field internship sites under the direct supervision of an approved preceptor.

Prerequisites: 531-158 Cardiology 2 (or concurrent)

801-195 Written Communication

3

Study and practice the transfer of information, ideas, and experiences in written form through reports, letters, memoranda, and other documents. Gain proficiency in the areas of organization, clarity, accuracy, and directness.

Prerequisites: COMPASS-Writing Skills or ACT-English or ASSET-Writing Skills or Accuplacer Sentence Skills or TABE Advanced Language or 831-103 Intro to College Writing or 851-771 Writing-Program Readiness

801-196 Oral/Interpersonal Comm

3

Practice the necessary skills for effective speech delivery, listening, assertiveness, conflict resolution, teamwork, and general interpersonal communication.

804-115 College Technical Math 1

5

Topics include: solving linear, quadratic, and rational equations; graphing; formula rearrangement; solving systems of equations; percent; proportions; measurement systems; computational geometry; right and oblique triangle trigonometry; trigonometric functions on the unit circle; and operations on polynomials. Emphasis will be on the application of skills to technical problems. This course is the equivalent of successful completion of College Technical Mathematics 1A and College Technical Mathematics 1B.

806-177 Gen Anatomy & Physiology

4

Examine basic concepts of human anatomy and physiology as they relate to the health sciences. Use a body systems approach to discover the interrelationships between structure and function at the gross and microscopic levels of organization in the entire human body. Develop the ability as a health care professional to apply the basic concepts of whole body anatomy and physiology to decision making and professional communication with colleagues and patients.

Prerequisites: 806-124 Introduction to Chemistry or 806-178 Life Science Chemistry or High School chemistry or College Chemistry; and COMPASS-Reading Skills or 858-775 Reading-Program Readiness or 838-105 Intro Reading & Study Skills or TABE Advanced Reading or Accuplacer Reading Comprehensi or College Proficiency - Reading or Grandfathered Rdg Requirement or ACT-Reading

806-178 Life Science Chemistry

5

Covers a wide range of topics including inorganic and organic. Topics included during the inorganic portion of the course include measurements and conversions, matter and the kinetic molecular theory, periodic table, chemical bonding, chemical reactions, solubility, gases, problem-solving and solutions, equilibrium and acid-base behavior. The organic chemistry portion introduces chemical structure as well as physical and chemical behavior of organic molecules. Many of these topics are related to the field of animal science.

Prerequisites: 804-138 Physical Mathematics or 804-106 Intro to College Math or 804-169 Fundamentals of Mathematics or 804-110 Elem Algebra w Apps or 804-115 College Technical Math 1 or Associate Dean approval; and COMPASS-Reading Skills or 858-775 Reading-Program Readiness or 838-105 Intro Reading & Study Skills or TABE Advanced Reading or Accuplacer Reading Comprehensi or College Proficiency - Reading or Grandfathered Rdg Requirement or ACT-Reading

806-179 Adv Anatomy & Physiology

4

Use a body systems approach to study normal human anatomy and physiology and the interrelationships between form and function at the gross and microscopic levels of organization. During lab exercises, analyze cellular metabolism and explore the individual components of the nervous, neuro-muscular, cardiovascular, and urinary body systems. Examine homeostatic mechanisms and their relationship to fluid, electrolyte, acid-base balance, and blood. Apply genetic concepts to human reproduction and development.

Prerequisites: 806-177 Gen Anatomy & Physiology or 806-131 Anatomy and Physiology

809-196 Introduction to Sociology

3

Learn the basic concepts of sociology: culture, socialization, social stratification, multiculturalism, and the five institutions, including family, government, economics, religion, and education.

Other topics include demography, deviance, technology, environment, social issues, social change, social organization, and workplace issues. Prerequisites: COMPASS-Reading Skills or 858-775 Reading - Program Readiness or 838-105 Intro Reading & Study Skills or TABE Advanced Reading or Accuplacer Reading Comprehensi or College Proficiency - Reading or Grandfathered Rdg Requirement or ACT-Reading

809-199 Psychology of Human Relations

3

Examine the principles of interaction as applied to human relations at home and on the job. Explore topics such as, self concept personality development, learning, motivation, emotions, stress, human relations processes, and special relationships.

Prerequisites: COMPASS-Reading Skills or 858-775 Reading - Program Readiness or 838-105 Intro Reading & Study Skills or TABE Advanced Reading or Accuplacer Reading Comprehensi or College Proficiency - Reading or Grandfathered Rdg Requirement or ACT-Reading