

PARAMEDIC TECHNICIAN



Program Code 10-531-1

Expected Program Costs: \$10,100

Median Annual Salary: \$32,000

OVERVIEW

Paramedic Technician is an 1150-hour program based upon the U.S. Department of Transportation Administration/Wisconsin Bureau Local Health Support and EMS curriculum. The Paramedic Technician curriculum prepares the student with the knowledge and skills to work competently as an entry-level EMT-Paramedic. The program consists of classroom lectures, practical skills lab, laboratory simulations and hospital and prehospital clinical experiences.

Completion of the EMT-Basic program is required prior to beginning the Paramedic core courses. The program offers additional certifications in Advanced Cardiac Life Support, Trauma Life Support and Pediatric Advanced Life Support. Students learn advanced prehospital skills in the classroom, skills laboratory, hospital and prehospital settings.

Students who successfully complete the program are eligible to take the National Registry written and practical examination.

The Paramedic Technician program is offered at the Wisconsin Rapids campus.

PROGRAM OUTCOMES

Employers will expect you, as a Paramedic Technician graduate, to be able to:

- Demonstrate knowledge and skills necessary to fulfill the role of an entry-level EMT-Paramedic
- Demonstrate the ability to comprehend, apply and evaluate clinical information as it relates to an entry-level EMT-Paramedic

CAREER OPTIONS

Ambulance Services
Dispatch Centers
First Responder Units
Hospitals/Emergency Departments
Industry Safety Departments
Rescue Squads
Urgent Care Facilities

POTENTIAL FOR ADVANCEMENT

Ambulance Service Manager
EMT-Instructor
EMT-Shift Supervisor
Service Training Coordinator

Potential advancement generally requires further education.

ADMISSIONS PROCEDURES

To apply to the Paramedic Technician program, please complete the following and submit documents to the MSTC Admissions Office:

Step 1:

1. Complete an MSTC application form and return it with the \$30 non-refundable application fee.
2. Complete the Accuplacer or ACT test. Minimum required scores are:
 - Reading-Accuplacer score of 55
 - Sentence Skills-Accuplacer score of 60
 - Math-Accuplacer score of 34
 - ACT equivalents for above scores are acceptable.

If a student does not meet the required test scores, they may retest or complete an identified structured course(s) in the Academic Support Center.

- Written Communication, courses in mathematics and some science courses have placement requirements. Please refer to the course description section in the back of the catalog, listed under General Education, for course specific information.
3. Submit an official copy of all academic transcripts, including high school, college or university and HSED/GED.
 4. Complete a Background Information Disclosure (BID) form and submit \$15 for Caregiver Background check. The Wisconsin Caregiver Law requires a background check. This form is available at <http://www.mstc.edu/pdf/BIDform.pdf>

When the requirements for Step 1 are completed, the student will be conditionally admitted to the program and may be eligible for financial aid.

Step 2:

To be eligible to enroll in Paramedic Technician core courses, complete the following requirements:

1. Complete Intro to Reading and Study Skills with a grade of "C" or better, an Accuplacer Reading score of 95 or higher, or ACT equivalent.
2. Complete Written Communications course with a grade of "C" or higher, an Accuplacer Sentence Skills score of 103 or higher, or ACT equivalent.
3. Complete College Mathematics with a grade of "C" or better, an Accuplacer Math score of 79 or higher, or ACT equivalent.
4. Submit a current Wisconsin EMT license.
5. Once all of the step 2 requirements are completed the paramedic intent to enroll form must be submitted to the MSTC Admissions Office. The intent to enroll form will be used to indicate which year you wish to enroll in the paramedic core courses. Core course placement will be based upon enrollment caps in each cohort.

Students pursuing the Paramedic Technician program can enroll in General Education courses either prior to or after completion of the Paramedic core courses. Students must maintain a total program GPA of 2.0 or higher.

When all of the Paramedic Technician requirements are completed (that is both General Studies and Paramedic core courses), the student should go to MyMSTC and apply for graduation.

Students who fail to meet the non-paramedic core (associate degree) requirements within 31 undergraduate credit hours will have their conditional admission to the Paramedic program withdrawn and will no longer be eligible for financial aid.

**Mid-State Technical College
Admissions
500 32nd Street North
Wisconsin Rapids, WI 54494**

CREDIT FOR PRIOR LEARNING

Credit for Prior Learning is available for certain courses in the form of high school advanced standing, transfer credit, test credit, military experience and experiential credit. Please contact an MSTC counselor with questions you may regarding this option.

FUNCTIONAL ABILITIES

A list of specific physical, emotional and mental tasks needed to function as a Paramedic Technician is available at mstc.edu. It is the student's responsibility to notify the disability services coordinator in the Student Affairs Office to receive assistance.

CLINICAL RELATED REQUIREMENTS

Successful completion of this program requires a clinical experience. Clinical sites have the right to refuse a student's admission to their facility based on pending charges and conviction records. If you have a criminal history, you may not be able to complete clinical courses. MSTC will make two attempts to place a student in an appropriate clinical experience.

Prior to beginning a clinical experience in a health care facility or ambulance service, students must:

- Provide evidence of good health by completion of required health work within three months prior to starting their clinical experience.
- Hold a current State of Wisconsin EMT license.
- Hold or be eligible to hold a Department of Health Services EMT Paramedic Training permit.
- Provide evidence of current CPR at the healthcare professional level by a CPR organization specified under s. DHS 110.17(1).
- Obtain the required uniform for clinical experiences.
- Assume responsibility for clinical assignment(s) regardless of time and location, including transportation and other personal arrangements.

Students are encouraged to have health insurance prior to beginning the clinical experience. You may obtain more information from the Student Affairs Office.

PROGRAM PROGRESSION

In order to maintain a passing status and progress in the program, students must receive a grade of "C" or better in all core, general education, elective and transfer courses.

CURRICULUM

Term (17 credits)

10531168	EMT Basic	4
10801195	Written Communication	3
10806177	General Anatomy & Physiology	4
10809172	Race, Ethnic & Diversity Studies -or-	
10809196	Intro to Sociology	3
10809198	Intro to Psychology	3

Term (14 credits)

10531169	EMS Career Fundamentals	4
10801196	Oral/Interpersonal Communication -or-	
10801198	Speech	3
10806179	Advanced Anatomy & Physiology	4
10809188	Developmental Psychology	3

Term (18 credits)

10531151	Paramedic Fundamentals	5
10531152	Paramedic Pharmacology	4
10531155	Respiratory Management	2
10531156	Cardiology I	3
10531157	Clinical 1	4

Term (18 credits)

10531158	Cardiology II	3
10531159	Medical Emergencies	3
10531164	Trauma	3
10531165	Emergency Care for Specialists	3
10531166	EMS Operations	3
10531167	Clinical 2	3

Total Credits 67

Please Note:

- This curriculum sequence is only for student planning. Actual student schedules will vary depending on course availability.
- Degree completion time may vary based on student scheduling and course availability.
- For General Education course descriptions (800 level), see section marked under Course Descriptions.

PARAMEDIC TECHNICIAN

PROGRAM COURSE DESCRIPTION

10531151 // 5 credits

Paramedic Fundamentals

This course provides the students with 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. The student will gain an understanding of the basic principles of shock management.

Prerequisite: Admission to EMT-Paramedic Technician Program 105311

10531152 // 4 credits

Paramedic Pharmacology

This course provides the opportunity for the student to develop the knowledge of basic pharmacodynamics. The student will 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.

Prerequisite: Paramedic Fundamentals 10531151

10531155 // 2 credits

Respiratory Management

This course provides the student with the knowledge and skills to establish and/or maintain a patent airway, oxygenate, and ventilate a patient.

Prerequisites: Admission to EMT-Paramedic Technician Program 105311 and Paramedic Fundamentals 10531151; Paramedic Pharmacology 10531152

10531156 // 3 credits

Cardiology I

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

Prerequisites: Admission to EMT-Paramedic Technician Program 105311 and Paramedic Fundamentals 10531151; Paramedic Pharmacology 10531152; Respiratory Management 10531155

10531157 // 4 credits

Clinical 1

The student is required to complete 288 hours of documented practical skills application and observation at the beginning EMT-paramedic level.

The student will perform required skill competencies at a variety of clinical and field internship sites under the direct supervision of an approved preceptor.

Prerequisite: Admission to EMT-Paramedic Technician Program 10531. Corequisites: Paramedic Fundamentals 10531151; Paramedic Pharmacology 10531152; Respiratory Management 10531155; Cardiology I 10531156

10531158 // 3 credits

Cardiology II

This course provides the student with 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 Certification. The student will gain an understanding of basic 12 lead ECG interpretation as it applies to the treatment for a patient with ACS.

Prerequisites: Admission to EMT-Paramedic Technician 10531 or EMT Paramedic 315311 Program and Paramedic Fundamentals 10531151; Paramedic Pharmacology 10531152; Respiratory Management 10531155; Cardiology I 10531156

10531159 // 3 credits

Medical Emergencies

This course will provide the student with 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: Admission to EMT-Paramedic Technician Program 10531 and Paramedic Fundamentals 10531151; Paramedic Pharmacology 10531152; Respiratory Management 10531155; Cardiology I 10531156; Cardiology II 10531158

10531164 // 3 credits

Trauma

This course will provide the student with the knowledge and skills to 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. This course includes - Prehospital Trauma Life Support (PHTLS) Certification.

Prerequisites: Admission to EMT-Paramedic Technician 105311 or EMT Paramedic 31531 Program and Paramedic Fundamentals 10531151; Paramedic Pharmacology; Respiratory Management 10531155; Cardiology I 10531156; Cardiology II 10531158 and Medical Emergencies 10531159

10531165 // 3 credits

Emergency Care for Specialists

This course will provide the student with the knowledge and skills to formulate a field impression and implement a treatment management plan for the patient experiencing a gynecology, obstetric, neonatal, pediatric, or geriatric emergency. This course 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) and Neonatal (NALS) Certification.
Prerequisites: Admission to EMT-Paramedic Technician 105311 or EMT Paramedic 315311 Program and Paramedic Fundamentals 10531151; Paramedic Pharmacology 10531152; Respiratory Management 10531155; Cardiology I 10531156; Cardiology II 10531158; Medical Emergencies 10531159 and Trauma 10531164

10531166 // 3 credits

EMS Operations

This course includes Ambulance Operations, Medical Incident Command, Rescue Awareness, Weapons of Mass Destruction, Assessment Based Management, and NREMT-P prep.
Prerequisites: Admission to EMT-Paramedic Technician 105311 or EMT Paramedic 315311 Program and Paramedic Fundamentals 10531151; Paramedic Pharmacology 10531152; Respiratory Management 10531155; Cardiology I 10531156; Cardiology II 10531158; Medical Emergencies 10531159; Trauma 10531164; and Emergency Care for Specialists 10531165

10531167 // 3 credits

Clinical 2

The student is required to complete 216 hours of documented practical skills application and observation at the beginning EMT-paramedic level. The student will perform required skill competencies at a variety of clinical and field internship sites under the direct supervision of an approved preceptor.
Prerequisites: Admission to EMT-Paramedic Technician 105311 or EMT Paramedic 315311 Program and Paramedic Fundamentals 10531151; Paramedic Pharmacology 10531152; Respiratory Management 10531155; Cardiology I 10531156; Corequisites: Cardiology II 10531158; Medical Emergencies 10531159; Trauma 10531164; Emergency Care for Specialists 10531165; EMS Operations 10531166 and Clinical I 10531157

10531168 // 4 credits

EMT Basic

This course provides the student with the fundamentals of Emergency Medical Services. Based upon the State of Wisconsin/U.S. Department of Transportation/National Highway Transportation Safety Administration curriculum, this 144 hour course includes, classroom instruction - lectures, discussion, demonstrations, skill practice and an additional patient care experience which requires a minimum of five patient care contacts. The American Heart Association Health Care Provider Certification is taken during this initial course.
Prerequisite: Admission to EMT-Paramedic Technician 105311, EMT Paramedic 315311, or EMT Basic 305313

10531169 // 4 credits

EMS Career Fundamentals

This course is designed to introduce the student to a variety of topics that are relevant to a successful career in EMS. The course content focuses on employment readiness, organizational structure, leadership concepts, community involvement, and application of EMS research findings.