

## Program Overview

The Paramedic Technician program offers students the opportunity to further their professional EMS careers by pursuing a two-year associate degree, which includes general studies courses. The program is based upon the U.S. DOT Administration/Wisconsin Bureau of Local Health Support and EMS Curriculum - Paramedic Technician Curriculum. It prepares the student with the knowledge and skills to work competently as an EMT-Paramedic. The program consists of classroom lectures, practical skills labs, laboratory simulations, and hospital and pre-hospital clinical experiences. It offers additional certifications in Advanced Cardiac Life Support, Pre-Hospital Trauma Life Support, Pediatric Advanced Life Support, and Neonatal Resuscitation.

Offered at:

Rice Lake



## Program-Specific Requirements

In order to be admitted to the program, you must:

- Complete a background check form
- Be a high school graduate or have equivalent (HSED, GED, home schooling record)
- Complete CPR for Healthcare Providers
- Have a valid EMT license and one-year of EMT service or 50 ambulance runs
- Complete health, immunization history, and physical forms
- Have one year of high school chemistry or one semester of college-level chemistry with "C-" or better

## Student Profile

As a Paramedic Technician student, you should be able to:

- Adjust to diverse personalities and backgrounds
- Work well under stressful situations
- Have good reasoning skills
- Communicate effectively in writing and verbally
- Be detail oriented and accurate
- Be flexible and empathetic
- Handle emotional situations
- Have good physical stamina
- Lift 125 pounds (250 pounds with assistance)
- Perform well and make decisions under stress
- Deal with adverse social situations involving the location of the emergency
- Work modified shifts up to 24 hours in length
- Have good coordination and balance
- Be self-confident
- Think critically

## Preparation for Admission

The following experiences will help you prepare for this program:

- Chemistry
- Health
- First Aid
- Physical Education
- Psychology
- Biology/Physiology
- English/Grammar
- Speech
- Business English
- Basic Math
- Basic EMT

## 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 Outlook

After graduating from the program, you will be ready to start your career as a Paramedic Technician in variety of healthcare settings including:

- Ambulance services
- Dispatch centers
- First responder units
- Hospitals/Emergency Departments
- Industrial Safety Departments
- Rescue squads
- Urgent care facilities

With further education, advancement potential may include:

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

## Curriculum

Number	Course Title	Credits
<b>Technical Studies Courses</b>		
10501101	Medical Terminology	3
10531151	Paramedic Fundamentals ▲	5
10531152	Paramedic Pharmacology ▲	4
10531155	Respiratory Management ▲	2
10531156	Cardiology 1 ▲	3
10531157	Clinical 1 ▲	4
10531158	Cardiology 2 ▲	3
10531159	Medical Emergencies ▲	3
10531164	Trauma ▲	3
10531165	Emergency Care for Specialists ▲	3
10531166	EMS Operations ▲	3
10531167	Clinical 2 ▲	3
10890100	Success Strategies 1	<u>1</u>
		40
<b>General Studies Courses</b>		
10801195	Written Communication ♦	3
10801196	Oral/Interpersonal Communication <b>or</b>	3
10801197	Technical Reporting ▲ <b>or</b>	3
10801198	Speech	3
10806177	General Anatomy and Physiology	4
10806179	Advanced Anatomy and Physiology ▲	4
10806197	Microbiology ▲	4
10809196	Introduction to Sociology <b>or</b>	3
10809172	Race, Ethnic & Diversity Studies	3
10809198	Introduction to Psychology	<u>3</u>
		24
	<b>PROGRAM REQUIREMENTS</b>	<b>64</b>

▲ This course requires a prerequisite and/or corequisite. Students must earn a grade of "C" or better in all required courses.

♦ Appropriate placement score or Introduction to College Writing course required.

# Course Descriptions

## 10501101

### Medical Terminology - Credits: 3

Focuses on the component parts of medical terms: prefixes, suffixes and word roots. Students practice formation, analysis and reconstruction of terms. Emphasis on spelling, definition and pronunciation. Introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology.

## 10531151

### Paramedic Fundamentals - Credits: 5

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 Paramedic Technician plan.

## 10531152

### Paramedic Pharmacology - Credits: 4

This course provides the opportunity for the student to develop 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. COREQUISITE: 10531151 Paramedic Fundamentals.

## 10531155

### Respiratory Management - Credits: 2

This course provides the student with the knowledge and skills to establish and/or maintain a patient airway, oxygenate, and ventilate a patient. PREREQUISITE: 10531152 Paramedic Pharmacology.

## 10531156

### Cardiology 1 - Credits: 3

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 the treatment for the patient with cardiovascular disease. COREQUISITE: 10531155 Respiratory Management.

## 10531157

### Clinical 1 - Credits: 4

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. COREQUISITE: 10531156 Cardiology 1.

## 10531158

### Cardiology 2 - Credits: 3

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: 10531156 Cardiology 1 and 10531157 Clinical 1.

## 10531159

### Medical Emergencies - Credits: 3

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. PREREQUISITE: 10531156 Cardiology 1.

## 10531164

### Trauma - Credits: 3

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 PHTLS Certification. COREQUISITE: 10531159 Medical Emergencies.

## 10531165

### Emergency Care for Specialists - Credits: 3

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, obstetrical, 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. COREQUISITE: 10531164 Trauma.

## 10531166

### EMS Operations - Credits: 3

This course includes Ambulance Operations, Medical Incident Command, Rescue Awareness, Weapons of Mass Destruction, Assessment Based Management, and NREMT-P prep. PREREQUISITE: 10531165 Emergency Care for Specialists.

## 10531167

### Clinical 2 - Credits: 3

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. COREQUISITE: 10531166 EMS Operations.

## 10890100

### Success Strategies 1 - Credits: 1

This course is designed to facilitate greater learner success affecting the academic, professional, and personal lives of students.

## Graduate Employment Information

(WITC Graduate Survey Responses 2005-2006)

Number of graduates	6	Number employed	5	% employed in WITC district	0%
Number of responses	5	Percent employed	100%	Range of yearly salary	\$29,200-\$38,400
Number available for employment	5	Employed in related field	5	Average yearly salary	\$33,211

*career vision*