

# Paramedic Technician

10-531-1 Associate Degree

Financial Aid Eligible

## 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. Students are prepared 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. Additional certifications in Advanced Cardiac Life Support, Pre-Hospital Trauma Life Support, Pediatric Advanced Life Support, and Neonatal Resuscitation are offered. Students who successfully complete the program are eligible to take the National Registry of EMT's written and practical examinations for Paramedics.

The technical studies 531 courses will be scheduled over a one-year period. Students are required to complete Medical Terminology and all General Studies courses either prior to the 531 technical studies coursework or following completion of the 531 technical studies coursework. It is recommended this additional coursework be completed prior to the 531 technical studies coursework.

## Special Features

- Lecture coursework will be offered via ITV (interactive television) on three evenings per week to all campus locations and the Hayward Outreach Center (days and originating site to be determined)
- On-site skills labs will be scheduled every other Saturday at the Rice Lake Campus

## Admission Requirements

Students in this program must:

- Complete application form and submit with fee (fee waiver may apply if previously submitted)
- Complete Accuplacer entrance assessment to determine placement (waiver may apply with acceptable alternative test scores and/or postsecondary degree completion)
- Have earned a high school diploma or GED certificate; current high school seniors must provide documentation upon graduation
- Complete current "CPR for Healthcare Providers" certification
- Provide documentation of current licensure as a Wisconsin EMT or documentation of working toward Wisconsin EMT licensure
- Submit signed Criminal History Record Check Statement of Understanding
- Review and sign the Functional Abilities Statement of Understanding
- Submit signed Caregiver Background Check Statement of Understanding
- Complete one year of high school or one term of college-level chemistry with a 2.0 or better
- Complete admissions interview with a WITC counselor (above requirements should be completed prior to interview)

## Program-Specific Requirements

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

- Pass a physical exam, have current immunizations, and demonstrate negative status for tuberculosis (Tb)
- Have acceptable results based on the Wisconsin Criminal History Single Name Record Request, Wisconsin Caregiver Background Check, Minnesota Caregiver Background Check (if applicable), and/or other states if applicable

## Student Profile

Paramedic Technician students should be able to:

- Think critically
- 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

## Preparation for Admission

Students should strive to reach a comfort level in the following courses or skills:

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

## Program Outcomes

Employers will expect graduates of this program to be able to:

- Prepare for incident response and EMS operations
- Integrate pathophysiological principles and assessment findings to provide appropriate patient care
- Demonstrate paramedic skills associated with established standards and procedures for a variety of patient encounters
- Communicate effectively with others
- Demonstrate professional behavior
- Meet state and national competencies listed for paramedic certification(s)

Collegewide outcomes and indicators will also be addressed to develop personal awareness, career effectiveness, and professionalism. See page 5 for a list of collegewide outcomes and indicators.

## Career Outlook

Graduates of the program will be ready to start their career as paramedic technicians in a variety of healthcare settings including:

- Ambulance services
- Dispatch centers
- First responder units
- Hospitals/Emergency Departments
- Industrial Safety Departments



WISCONSIN INDIANHEAD TECHNICAL COLLEGE

Campus:

Ashland  
New Richmond  
Rice Lake  
Superior

- Rescue squads
  - Urgent care facilities
- With further education, advancement potential may include:
- Critical Care Transport Paramedic
  - Ambulance Service Training Coordinator
  - EMS Shift Supervisor
  - EMS Instructor
  - Ambulance Service Manager
  - Medic
  - Flight Paramedic
  - Registered Nurse

## Curriculum

Number	Course Title	Credits
<b>Technical Studies Courses</b>		
10501101	Medical Terminology	3
10531911	EMS Fundamentals ▲	2
10531912	Paramedic Medical Principles ▲	4
10531913	Patient Assessment Principles ▲	3
10531914	Prehospital Pharmacology ▲	3
10531915	Paramedic Respiratory Management ▲	2
10531916	Paramedic Cardiology ▲	4
10531917	Paramedic Clinical/Field 1 ▲*	3
10531918	Advanced Resuscitation ▲	1
10531919	Paramedic Medical Emergencies ▲	4
10531920	Paramedic Trauma ▲	3
10531921	Special Patient Populations ▲	3
10531922	EMS Operations ▲	1
10531923	Paramedic Capstone ▲	1
10531924	Paramedic Clinical/Field 2 ▲*	4
		41
<b>General Studies Courses †</b>		
10801195	Written Communication ▲	3
10801196	Oral/Interpersonal Communication or	3
10801197	Technical Reporting ▲ or	
10801198	Speech	
10804138	Math for Health Professionals	2
10806177	General Anatomy and Physiology ▲	4
10806179	Advanced Anatomy and Physiology ▲	4
10806197	Microbiology ▲	4
10809196	Introduction to Sociology or	3
10809172	Race, Ethnic, & Diversity Studies	
10809198	Introduction to Psychology	3
		26
	<b>PROGRAM REQUIREMENTS</b>	<b>67</b>

▲ Requires a prerequisite and/or corequisite that must be completed with a grade point of 2.0 or better.

† See page 40 for General Studies course descriptions.

\* These courses will be offered in various regional hospitals and clinical settings.

Students must earn a grade point of 2.0 or better in all required courses.

# Course Descriptions

(See page 40 for General Studies 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.

## 10531911

### EMS Fundamentals - Credits: 2

This course provides the paramedic student 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. The students will obtain fundamental knowledge of public health principles and epidemiology as related to public health emergencies, health promotion, and illness/injury prevention. Introducing students to comprehensive anatomical and medical terminology and abbreviations will foster the development of effective written and oral communications with colleagues and other health care professionals. PREREQUISITE: Emergency Medical Technician - Paramedic (315311) or Paramedic Technician AAS (105311) program admission.

## 10531912

### Paramedic Medical Principles - Credits: 4

This course 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. PREREQUISITE: Emergency Medical Technician - Paramedic (315311) or Paramedic Technician AAS (105311) program admission.

## 10531913

### Patient Assessment Principles - Credits: 3

This course 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. PREREQUISITE: Emergency Medical Technician - Paramedic (315311) or Paramedic Technician AAS (105311) program admission.

## 10531914

### Prehospital Pharmacology - Credits: 3

This course 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. PREREQUISITE: Emergency Medical Technician - Paramedic (315311) or Paramedic Technician AAS (105311) program admission.

## 10531915

### Paramedic Respiratory Management - Credits: 2

This course 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. PREREQUISITE: Emergency Medical Technician - Paramedic (315311) or Paramedic Technician AAS (105311) program admission.

## 10531916

### Paramedic Cardiology - Credits: 4

This course 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. PREREQUISITE: Emergency Medical Technician - Paramedic (315311) or Paramedic Technician AAS (105311) program admission.

## 10531917

### Paramedic Clinical/Field 1 - Credits: 3

This course provides the student 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 also have the opportunity to participate in formal high-fidelity human patient simulator experiences as a part of this course. PREREQUISITE: Emergency Medical Technician - Paramedic (315311) or Paramedic Technician AAS (105311) program admission.

## 10531918

### Advanced Resuscitation - Credits: 1

By teaching Advanced Cardiac Life Support (ACLS) and Pediatric Advanced Life Support (PALS) methodologies and protocols, this course prepares the paramedic student 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. PREREQUISITE: Emergency Medical Technician - Paramedic (315311) or Paramedic Technician AAS (105311) program admission.

## 10531919

### Paramedic Medical Emergencies - Credits: 4

This course teaches the paramedic student 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. PREREQUISITE: Emergency Medical Technician - Paramedic (315311) or Paramedic Technician AAS (105311) program admission.

## 10531920

### Paramedic Trauma - Credits: 3

This course teaches the paramedic student 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. PREREQUISITE: Emergency Medical Technician - Paramedic (315311) or Paramedic Technician AAS (105311) program admission.

## 10531921

### Special Patient Populations - Credits: 3

This course teaches the paramedic student 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. PREREQUISITE: Emergency Medical Technician - Paramedic (315311) or Paramedic Technician AAS (105311) program admission.

## 10531922

### EMS Operations - Credits: 1

This course provides the paramedic student with the knowledge of operational roles and responsibilities to ensure patient, public, and EMS personnel safety. PREREQUISITE: Emergency Medical Technician - Paramedic (315311) or Paramedic Technician AAS (105311) program admission.

## 10531923

### Paramedic Capstone - Credits: 1

This course provides the student 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 within this course as required by the DHS-approved paramedic curriculum. PREREQUISITE: Emergency Medical Technician - Paramedic (315311) or Paramedic Technician AAS (105311) program admission.

## 10531924

### Paramedic Clinical/Field 2

This course provides the student 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 also 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. PREREQUISITE: Emergency Medical Technician - Paramedic (315311) or Paramedic Technician AAS (105311) program admission.

## Graduate Employment Information

(WITC Graduate Survey Responses 2009-2010; for most recent data, go to [witic.edu](http://witic.edu)\*)

Number of graduates	2	Number employed	2	% employed in WITC district	100%
Number of responses	2	Percent employed	100%	Range of yearly salary	~*
Number available for employment	2	Employed in related field	2	Average yearly salary	\$35,773

\*Average yearly salary based on composite of graduates from Wisconsin's 16 technical college districts (including WITC graduates). Range of yearly salary not available.

*career vision*