



# **PARAMEDIC TECHNICIAN AND EMT-PARAMEDIC**

**Wisconsin Indianhead Technical College  
10-531-1 Associate Degree and  
31-531-1 Technical Diploma**

**2013  
Program Review  
and  
Improvement Plan**

# CONTENTS

<b>Catalog Page .....</b>	<b>1</b>
<b>Review Team Membership .....</b>	<b>5</b>
<b>Self-Study Reports .....</b>	<b>7</b>
<b>Perkins Data Review .....</b>	<b>29</b>
<b>Program Improvement Plan .....</b>	<b>35</b>

# 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. Students in this program must be dual enrolled in the EMT-Paramedic program.

Campus:



Ashland  
New Richmond  
Rice Lake  
Superior

## 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 approval of Divisional Dean, Public Safety, of progress 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 of the college catalog 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
- 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 <sup>▲</sup>	2
10531912	Paramedic Medical Principles <sup>▲</sup>	4
10531913	Adv. Patient Assessment Principles <sup>▲</sup>	3
10531914	Adv. Pre-hospital Pharmacology <sup>▲</sup>	3
10531915	Paramedic Respiratory Management <sup>▲</sup>	2
10531916	Paramedic Cardiology <sup>▲</sup>	4
10531917	Paramedic Clinical/Field 1 <sup>▲*</sup>	3
10531918	Advanced Emergency Resuscitation <sup>▲</sup>	1
10531919	Paramedic Medical Emergencies <sup>▲</sup>	4
10531920	Paramedic Trauma <sup>▲</sup>	3
10531921	Special Patient Populations <sup>▲</sup>	3
10531922	EMS Operations <sup>▲</sup>	1
10531923	Paramedic Capstone <sup>▲</sup>	1
10531924	Paramedic Clinical/Field 2 <sup>▲*</sup>	4
10804138	Math for Health Professionals	2
		<b>43</b>

## General Studies Courses\*

10801195	Written Communication <sup>▲</sup>	3
10801196	Oral/Interpersonal Communication <sup>or</sup>	3
10801197	Technical Reporting <sup>▲ or</sup>	
10801198	Speech	
10806177	General Anatomy and Physiology <sup>▲</sup>	4
10806179	Advanced Anatomy and Physiology <sup>▲</sup>	4
10806197	Microbiology <sup>▲</sup>	4
10809196	Introduction to Sociology <sup>or</sup>	3
10809172	Introduction to Diversity Studies	
10809198	Introduction to Psychology	3
		<b>24</b>

## PROGRAM REQUIREMENTS

- ▲ 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 systems 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

#### Adv. 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

#### Adv. Pre-hospital 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 Emergency 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 2010-2011; for most recent data, go to [witic.edu](http://witic.edu)\*)

Number of graduates	6	Number employed	6	% employed in WITC district	100%
Number of responses	6	Percent employed	100%	Range of yearly salary	\$31,354-\$58,500
Number available for employment	6	Employed in related field	4	Average yearly salary	\$46,613

## career vision

800.243.9482

[witic.edu](http://witic.edu)

2013-2014

143

# Emergency Medical Technician - Paramedic

31-531-1 Technical Diploma

Financial Aid Eligible

## Program Overview

The one-year Emergency Medical Technician - Paramedic (EMT - Paramedic) program is identical to the 531 coursework in the Paramedic Technician associate degree program. The program offers students the opportunity to further their professional EMS careers. Instruction 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.

Students completing the one-year EMT - Paramedic program have the option of returning to complete the associate degree program by completing Medical Terminology and all of the General Studies coursework outlined on Page 142.

WITC's EMT - Paramedic program is accredited through CoAEMSP (Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions) and CAAHEP (Commission on Accreditation of Allied Health Education Programs). This will enable graduates to take the Wisconsin Paramedic licensing examinations upon successful completion of all portions of the technical studies courses.

Campus:



WISCONSIN  
INDIANHEAD  
TECHNICAL  
COLLEGE

Ashland  
New Richmond  
Rice Lake  
Superior

## 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 approval of Divisional Dean, Public Safety, of progress toward Wisconsin EMT licensure
- Submit signed Criminal History Record Check Statement of Understanding
- Submit signed Caregiver Background Check Statement of Understanding
- Review and sign the Functional Abilities Statement of Understanding
- 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

Emergency Medical Technician - Paramedic 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 of the college catalog 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
- 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>Occupational Specific Courses</b>		
10531911	EMS Fundamentals <sup>▲</sup>	2
10531912	Paramedic Medical Principles <sup>▲</sup>	4
10531913	Adv. Patient Assessment Principles <sup>▲</sup>	3
10531914	Adv. Pre-hospital Pharmacology <sup>▲</sup>	3
10531915	Paramedic Respiratory Management <sup>▲</sup>	2
10531916	Paramedic Cardiology <sup>▲</sup>	4
10531917	Paramedic Clinical/Field 1 <sup>▲*</sup>	3
10531918	Advanced Emergency Resuscitation <sup>▲</sup>	1
10531919	Paramedic Medical Emergencies <sup>▲</sup>	4
10531920	Paramedic Trauma <sup>▲</sup>	3
10531921	Special Patient Populations <sup>▲</sup>	3
10531922	EMS Operations <sup>▲</sup>	1
10531923	Paramedic Capstone <sup>▲</sup>	1
10531924	Paramedic Clinical/Field 2 <sup>▲*</sup>	4
		<b>38</b>
	<b>PROGRAM REQUIREMENTS</b>	<b>38</b>

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

<sup>\*</sup> This course 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

### 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

**Adv. 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

**Adv. Pre-hospital 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 Emergency 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.

Gainful employment information is available at this link: <http://www.witc.edu/pgmpages/emtpar/career.htm>. This information is provided as a federal requirement in an effort to help students make informed decisions related to the costs and potential employment in a chosen field.

### Graduate Employment Information

(WITC Graduate Survey Responses 2010-2011; for most recent data, go to [witc.edu](http://www.witc.edu))\*

Number of graduates	1	Number employed	1	% employed in WITC district	0%
Number of responses	1	Percent employed	100%	Range of yearly salary	-*
Number available for employment	1	Employed in related field	0	Average yearly salary	\$33,693*

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

800.243.9482

witc.edu

2013-2014

91

# **TEAM MEMBERSHIP**





## ACADEMIC PROGRAM REVIEW PROFILE

Program Number & Name	
10-531-1 Paramedic Technician and 31-531-1 EMT Paramedic	
Program Academic Dean	Title/Location
Steve Mackiewicz	Associate Dean/Rice Lake
Team Lead(s)	Title/Location
Linda Avery-Patz	Paramedic Specialist/Rice Lake
Steve Mackiewicz	Associate Dean/Rice Lake
Team Members	Title/Location
Susan Lockwood	Dean of Cont. ED
Johanna Thompson	Paramedic I/C
Marlene Dirkes	I/c- Advisory Committee/employer
Charles Patz	Simulation tech/acced.
Christy Roshell	Career specialist
David Stanley	General Studies

Program Information:		
Capacity (new students admitted/year):		30
Number of Faculty:	FT: 0	PT: 2
Statewide Curriculum:	Yes? X	No?
Number of Technical Studies Courses in each of the following delivery modes: (there may be duplication for courses offered in multiple modes)		
	<i>Classroom:</i>	12
	<i>Online:</i>	12
	<i>ITV/IP:</i>	12
	<i>In Person/Web Blended:</i>	12

Program Accredited by:	
Date of Last Accreditation	In progress: visit November 2012. Should receive accreditation in May 2013 at next CoAEMPS Board meeting
Date of Next Accreditation	If successful in May 2013, one year from that date
Is a visit required? If so, when is the next visit?	no
Program Licensed by:	
Date of Last Licensing:	
Date of Next Licensing:	
Is a visit required? If so, when is the next visit?	
Please list other program memberships:	
	NAEMSE: National Association of EMS Educators EMS Professionals
	NR EMT: National Registry of Emergency Medical Technicians

**Note:** The accreditation, licensing, and membership information listed above will be listed in the annual WITC Fact Book.



# **SELF-STUDY REPORT**



## SELF-STUDY SUMMARY REPORT

Program Information	
Program Name: <b>Paramedic Technician EMT Paramedic</b>	Team Chair: <b>Linda Avery-Patz Steve Mackiewicz</b>
Academic Dean: <b>Steve Mackiewicz</b>	Divisional Dean: <b>Susan Yohnk Lockwood</b>
Process Used to Complete the Self-Study	
Meeting format (in-person, IP, conference calls etc.)	<b>In person.</b>
Number of meetings	<b>1</b>
How was the self-study handled? (as a group, assigned to individuals to report back to group, etc.)	<b>All questions answered as a group.</b>
Additional comments:	<b>The Paramedic programs recently completed a 1000 page self-study for CoAEMSP, the accrediting body. Many of the items discussed for the accreditation self-study overlapped with the Program Review Self-Study, thus allowing us to complete the self-study in one meeting.</b>
Summary of Findings	
As you completed this self study section of the program review, what areas "stand out" in your program? Please explain.	<b>Dedication of lead instruction, the time, heart and soul, before and after class time to assist students.  Effectiveness of IP as a delivery method.  High pass rate of National Registry.  High rate of employment.</b>
What has surprised you? Please explain.	<b>Surprised by discovering that the 2 clinical sites (North and South) wasn't as beneficial as originally thought. Much better to have the students in one location for the skills. Travel for the students created two distinct populations. One location makes a more cohesive cohort.</b>
List two or three of the items identified through your self-study that you will focus on to make improvements to your program.	<b>Online adaptive testing opportunities for students to prepare them for the National Registry exam.  Detailed Tracking of clinical experiences to ensure meeting program competencies.  Increase students from Rusk County (have had no students from Rusk County since 2008).</b>

	<b>How to better serve hearing impaired students via IPV.</b>
When/where in your program will you implement these improvements?	<b>It will be ongoing. Our plan is to begin the research immediately and implement with the fall semester.</b>
What methods (direct or indirect) will you use to assess the success of this implementation?	<b>Online adaptive testing can be assessed through first time pass rate of the National Registry.  Competencies can be tracked through the progression in clinical hours (we will see a reduction of the number of hours required to reach competencies, less sitting time).</b>
What new outcomes or benchmarks do you hope to achieve through these recommended changes?	<b>Increase students from counties in under-served areas.  Explore and implement technology via IPV for hearing impaired.</b>
Additional comments:	<b>The self-study was a comfortable process because it allows us to move towards a higher level of quality. The entire group was enthusiastic to continue to improve this great program.</b>

## SELF-STUDY CATEGORY RESULTS

Program and Category	
<p><b>Program: 10-531-1 Paramedic Technician</b>  <b>31-531-1 EMT Paramedic</b></p> <p><b>Category: WITC Program Statistics</b></p> <p><i>(fill out a Self-Study Category Sheet for each section of the self-study. (Additional sections may be added if desired)</i></p>	
PLUSES (Strengths)	DELTAS (Opportunities)
<p>-Enrollments are strong.</p> <p>-Retention was stable for EMT Paramedic.</p> <p>-Graduate percentage matches labor market need.</p> <p>-Small class size for one-on-one interaction.</p> <p>-WI is moving from 2 medics to only 1 medic per truck which can lead to greater enrollment.</p>	<p>-Retention from Fall to Spring is weak for Paramedic Technician.</p>
<p>Select one PLUS item and explain the root cause:</p>	<p><b>Strong enrollments exist because more Paramedics are being used in the communities. Offering the program districtwide allows more students to enroll. Avenues for paramedics are opening career-wise with new credentialing, including Critical Care, Community Paramedic, and moving from Paramedic to RN. In addition, services are moving from basic to advanced life support in the region, requiring paramedics.</b></p>
<p>Select one DELTA item and explain the root cause:</p>	<p><b>With the spring start of the Paramedic program, students complete the core courses in spring and fall. This statistic shows that students enrolled in the associate degree program complete their core classes, but don't return in the spring for their general education because they find employment without it.</b></p>
<p>What items in this category <b>MUST</b> be addressed on our improvement plan?</p>	<p><b>Retention fall to spring.</b></p>
<p>What items in this category <b>MIGHT</b> be addressed on the improvement plan?</p>	<p><b>With the growing need for paramedics in the region, we need to explore additional credentials.</b></p>
<p>What items in this category may be considered a <b>BEST PRACTICE OR INNOVATION?</b></p>	<p><b>Best Practice: alternative delivery to offer program districtwide.</b></p>

### Team Rating

Please indicate by an **(X)** the team rating of your program on this category.

<i>All areas need improvement</i>	<i>Some areas meet expectations, but most areas need improvement</i>	<i>All areas meet expectations —few areas need improvement</i>	<i><u>Exemplary</u>—all areas exceed expectations—use as a model for other programs</i>
		<b>X</b>	
Additional Comments: (optional)			



## SELF-STUDY CATEGORY RESULTS

Program and Category	
<b>Program: 10-531-1 Paramedic Technician</b> <b>31-531-1 EMT Paramedic</b> <b>Category: Curriculum</b> <i>(fill out a Self-Study Category Sheet for each section of the self-study. (Additional sections may be added if desired))</i>	
PLUSES (Strengths)	DELTAS (Opportunities)
<b>-State aligned curriculum.</b>  <b>-National education standards incorporated into curriculum.</b>	<b>-HPS simulation.</b>  <b>-Updating learning objective for program outcomes.</b>
Select one PLUS item and explain the root cause:	<b>WITC currently utilizes the state-aligned paramedic curriculum. WITC was also involved in the development of the new state-aligned paramedic curriculum based upon the National Educational Standards as adopted by DHS,. In both instances, the existing and new curricula contain all of the learning opportunities necessary to provide students the opportunity to prepare for success of the assessment of exit learning outcomes. As a matter of fact, the new state-aligned paramedic curriculum was developed in concert with the WTCS TSA Assessment Plan so that both documents correlated with the support each other. By using the state-aligned curriculum with didactic, lab, clinical, and field time, along with DHS clinical and field competency requirements, ample opportunity for students to prepare for success.</b>
Select one DELTA item and explain the root cause:	<b>Is to move the paramedic program to a fall start to follow the school schedule. Allowing the students to matriculate with their peers. This allows the student's time to participate in student activities and organization.</b>
What items in this category <b>MUST</b> be addressed on our improvement plan?	<b>Learning objectives written to match new curriculum.</b>
What items in this category <b>MIGHT</b> be addressed on the improvement plan?	<b>Incorporating more HPS simulation into laboratory sessions in a cost effective manner.</b>
What items in this category may be considered a <b>BEST PRACTICE OR INNOVATION?</b>	<b>Incorporating alternative methods of instruction with the state aligned curriculum.</b>

### Team Rating

Please indicate by an **(X)** the team rating of your program on this category.

<i>All areas need improvement</i>	<i>Some areas meet expectations, but most areas need improvement</i>	<i>All areas meet expectations —few areas need improvement</i>	<i><u>Exemplary</u>—all areas exceed expectations—use as a model for other programs</i>
		<b>X</b>	
Additional Comments: (optional)			

## SELF-STUDY CATEGORY RESULTS

Program and Category	
<b>Program: 10-531-1 Paramedic Technician</b> <b>31-531-1 EMT Paramedic</b> <b>Category: Assessment of student learning</b> <i>(fill out a Self-Study Category Sheet for each section of the self-study. (Additional sections may be added if desired))</i>	
PLUSES (Strengths)	DELTAS (Opportunities)
<b>-Performance standards.</b>  <b>-Grids TSA scoring.</b>	<b>-Platinum testing.</b>  <b>-Computer based testing.</b>
Select one PLUS item and explain the root cause:	<b>Assessment of successful student performance outcomes and successful course completion of the Wisconsin Indianhead Technical College (WITC) Paramedic Program will be measured by both a written and a National Registry examination which meet or exceed the requirements stipulated in DHS 110-06. Technical skills evaluation grids will be employed by instructional staff to evaluate performance standards. These grids are available to all program students throughout the span of the paramedic program. The Technical Skills Evaluation or TSA scoring guide will be employed to track student performance in the various areas delineated through the Technical Skills Evaluation.</b>
Select one DELTA item and explain the root cause:	<b>By having the college make available platinum testing the instructors will be able assess student bloom level learning. This will help us validate their readiness to take and be successful in their national registry exams.</b>
What items in this category <b>MUST</b> be addressed on our improvement plan?	<b>The college must provide computer based testing for all paramedic modules, So that the students are acclimated to that type of testing when they take their national registry exam.</b>
What items in this category <b>MIGHT</b> be addressed on the improvement plan?	<b>How can platinum testing costs be incorporated into student activity fees i.e., lab fees, student aide eligibility?</b>
What items in this category may be considered a <b>BEST PRACTICE OR INNOVATION?</b>	<b>Student learning assessment feedback is provided regarding their performance via copies of their skill assessment evaluation grids. Students will receive copies of their clinical/field logs and evaluation grids for review. Paramedic program student didactic and clinical progress will also be catalogued via a professional performance checklist which is available for review upon request by the student or at the lead instructor's direction.</b>

### Team Rating

Please indicate by an **(X)** the team rating of your program on this category.

<i>All areas need improvement</i>	<i>Some areas meet expectations, but most areas need improvement</i>	<i>All areas meet expectations —few areas need improvement</i>	<i><u>Exemplary</u>—all areas exceed expectations—use as a model for other programs</i>
		<b>X</b>	
Additional Comments: (optional)			

## SELF-STUDY CATEGORY RESULTS

Program and Category			
<b>Program: 10-531-1 Paramedic Technician</b> <b>31-531-1 EMT Paramedic</b> <b>Category: Advisory Committees</b> <i>(fill out a Self-Study Category Sheet for each section of the self-study. (Additional sections may be added if desired))</i>			
PLUSES (Strengths)		DELTAS (Opportunities)	
<b>-Stakeholders are active in their discipline.</b> <b>-Have a paramedic specific committee.</b>		<b>-Explore alternative delivery means for meeting dates to meet quorums.</b> <b>-Committee involvement.</b>	
Select one PLUS item and explain the root cause:	<b>The WITC paramedic program maintains constant contact with EMS providers and employers from every county of the WITC District. This constant contact provides community stakeholders the opportunity to make their voices heard and permits the WITC Paramedic Program to respond appropriately in a timely manner to said input.</b>		
Select one DELTA item and explain the root cause:	<b>For those actions that fall outside of the WITC district a combination of surveys and questionnaires is utilized to meet this need. Other methods used to address needs outside of the WITC district include electronic correspondences and telephonic communications.</b>		
What items in this category <b>MUST</b> be addressed on our improvement plan?	<b>More committee involvement so that we can achieve a quorum and vote on resolutions.</b>		
What items in this category <b>MIGHT</b> be addressed on the improvement plan?	<b>Consider alternative methods, telephone conference, ITV, go to meeting, or webinars.</b>		
What items in this category may be considered a <b>BEST PRACTICE OR INNOVATION?</b>	<b>The paramedic Advisory Committee members consists of stakeholders currently employed in the field. Their counsel to the paramedic Advisory Committee lends to authenticity in the paramedic classroom.</b>		
Team Rating			
Please indicate by an <b>(X)</b> the team rating of your program on this category.			
<i>All areas need improvement</i>	<i>Some areas meet expectations, but most areas need improvement</i>	<i>All areas meet expectations —few areas need improvement</i>	<i><u>Exemplary</u>—all areas exceed expectations—use as a model for other programs</i>
		<b>X</b>	
Additional Comments: (optional)			



## SELF-STUDY CATEGORY RESULTS

Program and Category			
<b>Program: 10-531-1 Paramedic Technician</b> <b>31-531-1 EMT Paramedic</b> <b>Category: Equipment and Facilities</b> <i>(fill out a Self-Study Category Sheet for each section of the self-study. (Additional sections may be added if desired))</i>			
PLUSES (Strengths)		DELTAS (Opportunities)	
<b>-1 site labs.</b>  <b>-Program coordinator monitoring Instructor I &amp; II during lab time.</b>		<b>-Room scheduling.</b>  <b>-Budgetary issues.</b>	
Select one PLUS item and explain the root cause:	<b>Our program is district wide but has the hands on and practical lab portions at one campus. This allows for greater consistency in instruction. The Program coordinator is onsite to monitor and facilitate all parts of pshychomotor instruction.</b>		
Select one DELTA item and explain the root cause:	<b>The past practice of maintaining two separate skills locations on opposite sides of the district may have occasioned contrasting disciplines in the acquisition of pshychomotor skills. This has been remedied by centralizing these skills days on one campus.</b>		
What items in this category <b>MUST</b> be addressed on our improvement plan?	<b>Room scheduling remains a big issue. Current facilities remain a challenge. Ideally this could be remedied with the construction of a dedicated EMS facility.</b>		
What items in this category <b>MIGHT</b> be addressed on the improvement plan?	<b>Continual budgetary allowances for updating equipment with the technology advances being made in paramedicine. This will be important as we implement the critical care program.</b>		
What items in this category may be considered a <b>BEST PRACTICE OR INNOVATION?</b>	<b>Taking 6 separate sites and bringing them fortnightly into a classroom and lab environment so that the instructor can see that all the didactic information given in the ITV setting has been effective and can be effectively applied.</b>		
Team Rating			
Please indicate by an <b>(X)</b> the team rating of your program on this category.			
<i>All areas need improvement</i>	<i>Some areas meet expectations, but most areas need improvement</i>	<i>All areas meet expectations —few areas need improvement</i>	<i>Exemplary—all areas exceed expectations—use as a model for other programs</i>
		<b>X</b>	
Additional Comments: (optional)			





## SELF-STUDY CATEGORY RESULTS

Program and Category			
<b>Program: 10-531-1 Paramedic Technician</b> <b>31-531-1 EMT Paramedic</b> <b>Category: Collaboration Across the College</b> <i>(fill out a Self-Study Category Sheet for each section of the self-study. (Additional sections may be added if desired))</i>			
PLUSES (Strengths)		DELTAS (Opportunities)	
<b>-Intramural collaboration.</b>  <b>-Supportive counselors and students services.</b>  <b>-Supportive staff.</b>  <b>-Dedicated OTS staff.</b>		<b>-Dedicated accreditation staff.</b>  <b>-Intramural communication.</b>  <b>-Program page updates.</b>	
Select one PLUS item and explain the root cause:	<b>Effective intramural collaboration exists some examples include ITV support, ITV activities created and then dispersed so they are readily available at all sites to the students.</b>		
Select one DELTA item and explain the root cause:	<b>Intramural communication with staff and having current and complete program information.</b>		
What items in this category <b>MUST</b> be addressed on our improvement plan?	<b>Intramural inconsistencies with student support.</b>		
What items in this category <b>MIGHT</b> be addressed on the improvement plan?	<b>Intramural student advocacy.</b>		
What items in this category may be considered a <b>BEST PRACTICE OR INNOVATION?</b>	<b>Including all sites with cameras and TVs so that all campuses can put a face to the voice. This Gives the feeling of 1 classroom.</b>		
Team Rating			
Please indicate by an <b>(X)</b> the team rating of your program on this category.			
<i>All areas need improvement</i>	<i>Some areas meet expectations, but most areas need improvement</i>	<i>All areas meet expectations —few areas need improvement</i>	<i><u>Exemplary</u>—all areas exceed expectations—use as a model for other programs</i>
		<b>X</b>	
Additional Comments: (optional)			



## SELF-STUDY CATEGORY RESULTS

Program and Category			
<b>Program: 10-531-1 Paramedic Technician</b> <b>31-531-1 EMT Paramedic</b> <b>Category: Staff Development and Innovation</b> <i>(fill out a Self-Study Category Sheet for each section of the self-study. (Additional sections may be added if desired))</i>			
PLUSES (Strengths)		DELTAS (Opportunities)	
<b>-Accreditation.</b> <b>-Conferences.</b>		<b>-NAEMSE.</b> <b>-Dedicated staff.</b> <b>-Inservice of Instructor I &amp; II.</b>	
Select one PLUS item and explain the root cause:	<b>The college is 100% behind the accreditation process and is willing to fund staff development request. 2 members of the program traveled to Atlanta this spring for a NAEMSE conference on Accreditation. This dealt with some issues and gave recommendations on how best to remain accredited. As a result we became members of NAEMSE which has given us innovative tools aiding in instruction.</b>		
Select one DELTA item and explain the root cause:	<b>Accreditation is a continually evolving process and similar to program review will need monitoring and updating of our program progress.</b>		
What items in this category MUST be addressed on our improvement plan?	<b>This will take program dollars, staff development workshops to ensure that all staff has been updated, staff hours needed to continue the accreditation process. Dedicate Staff position to address the continuing accreditation process.</b>		
What items in this category MIGHT be addressed on the improvement plan?	<b>Instructors I &amp; II inservice for paramedic program staff to help them maintain their certification, review WITC, and WTCS policies and maintain best teaching practices.</b>		
What items in this category may be considered a BEST PRACTICE OR INNOVATION?	<b>Using alternative methods of instruction to reach our staff. ITV, blackboard and use of NAEMSE.</b>		
Team Rating			
Please indicate by an <b>(X)</b> the team rating of your program on this category.			
<i>All areas need improvement</i>	<i>Some areas meet expectations, but most areas need improvement</i>	<i>All areas meet expectations —few areas need improvement</i>	<i>Exemplary—all areas exceed expectations—use as a model for other programs</i>
		<b>X</b>	
Additional Comments: (optional)			



## SELF-STUDY CATEGORY RESULTS

Program and Category			
<b>Program: 10-531-1 Paramedic Technician</b> <b>31-531-1 EMT Paramedic</b> <b>Category: Review of Most Recent Improvement Plan</b> <i>(fill out a Self-Study Category Sheet for each section of the self-study. (Additional sections may be added if desired))</i>			
PLUSES (Strengths)		DELTAS (Opportunities)	
<b>-Strong team that gave full perspective of program.</b>  <b>-All action items on the improvement plan were completed.</b>			
Select one PLUS item and explain the root cause:	<b>Having a strong team/the right players doing the self-study contributed to creating an improvement plan that was both realistic and attainable.</b>		
Select one DELTA item and explain the root cause:			
What items in this category MUST be addressed on our improvement plan?	<b>More action items need to be developed.</b>		
What items in this category MIGHT be addressed on the improvement plan?			
What items in this category may be considered a BEST PRACTICE OR INNOVATION?			
Team Rating			
Please indicate by an <b>(X)</b> the team rating of your program on this category.			
<i>All areas need improvement</i>	<i>Some areas meet expectations, but most areas need improvement</i>	<i>All areas meet expectations —few areas need improvement</i>	<i><u>Exemplary</u>—all areas exceed expectations—use as a model for other programs</i>
			<b>X</b>
Additional Comments: (optional)			



# **Perkins Data Review**





## PERKINS DATA REVIEW

(replaces QRP Analysis for 2013 reviews only)

Program and Category	
<b>Program: 10-531-1 Paramedic Technician</b> <b>31-531-1 EMT Paramedic</b> <b>Category: Perkins Data Review</b>	
PLUSES (Strengths)	DELTAS (Opportunities)
<p><b>-1P1: 3 year average 83.33 exceeds the benchmark for technical course completion of 82.22 for Paramedic Tech.</b></p> <p><b>-2P1: 3 year average of 69.23 exceeds the benchmark for degree completion of 55 for Paramedic Tech.</b></p> <p><b>-2P1 + 3P1: 3 year average 76.91 exceeds the benchmark of 66.78 for Paramedic Tech.</b></p> <p><b>-4P1: Job placement is at 100 percent, exceeding the benchmark of 90.41.</b></p>	<p><b>-Although program enrollments have been strong and at or near capacity, the total N, or the number of students in a cohort for a specified year, is low for both programs in each of the 3 years.</b></p> <p><b>-All categories are below the benchmark based on a 3 year average in EMT Paramedic.</b></p>
Select one PLUS item and explain the root cause:	Paramedic job opportunities continue to grow because services continue to move from BLS to Advanced Life Support; populations are aging and there is an increase in age-related emergencies; paramedic is a viable healthcare career pathway.
Select one DELTA item and explain the root cause:	"N" is low. This may be because we have always started the Paramedic and EMT Paramedic program cohorts in January instead of August. This may impact reporting data.
What items in this category <b>MUST</b> be addressed on our improvement plan?	January starting cohort.
What items in this category <b>MIGHT</b> be addressed on the improvement plan?	The difference in Perkins numbers between the Paramedic Tech and EMT Paramedic should be reviewed.
What items in this category may be considered a <b>BEST PRACTICE OR INNOVATION?</b>	



## FUTURE TRENDS AND EXTERNAL FACTORS

<b>Program</b>	<b>10-531-1 Paramedic Technician and 31-531-1 EMT Paramedic</b>
<b>Future Trends</b>	
•	According to the Bureau of Labor Statistics, employment of EMTs and Paramedics is expected to grow faster than other occupations, with 33 percent growth from 2010 to 2020 ( <a href="http://www.bls.gov/ooh/healthcare/ems-and-paramedics.htm#tab-6">http://www.bls.gov/ooh/healthcare/ems-and-paramedics.htm#tab-6</a> )
•	According to the U.S. Department of Health and Human Services, Community Paramedicine is an organized system of services, based on local need, provided by emergency medical technicians and paramedics, that is integrated into the local or regional health care system and overseen by emergency and primary care physicians.
•	Community Paramedicine is one model to realize the vision of EMS-based community health services that supplement the traditional EMS response model and bridges both community health service and EMS coverage gaps. Many different organizations and groups are working on projects to further explore and develop the concept of Community Paramedicine.
•	
<b>External Factors</b>	
•	Growth in the middle-aged and elderly population will lead to an increase in the number of age-related health emergencies, which will lead to an increase in the demand for EMTs and paramedic services.
•	With the emergence of specialized clinics and hospitals, transport of patients will increase. This increase will also increase the number of EMTs and paramedics to transfer patients with specific conditions to these facilities for treatment.
•	Avenues for paramedics are opening career-wise with new credentialing, including Critical Care, Community Paramedic, and moving from Paramedic to RN.
•	
•	
<b>Employment Trends</b>	
Local	Services throughout the WITC district are moving from basic to advanced life support in the region, requiring more paramedics.
•	
State	WI is moving from a requirement of 2 medics to only 1 medic per truck.
•	
•	



## **2013 Improvement Plan**



## ACADEMIC PROGRAM IMPROVEMENT PLAN

<b>PROGRAM:</b>	10-531-1 Paramedic Technician and 31-531-1 EMT Paramedic			
<b>Defined Outcome:</b> Increase understanding of State of WI EMS/National Registry requirements	<b>Perkins?</b> no	<b>Responsibility</b>	<b>Timeline</b>	<b>Resources</b>
<b>Action Plan/Action Items:</b>  <i>Schedule class time in the computer lab for students to review the application process for NREMT-P certification.</i>  <i>Incorporate hands-on assignment to complete the e Training Center Training Permit process at the DHS EMSS site.</i>  <i>Develop classroom activity/quiz/group project develops the students understanding of the requirements needed to maintain both their NREMT certification and State of Wisconsin license.</i>		Paramedic Program Specialist Program Director	Fall 2015	
<b>WTCS QRP Indicator Name &amp; Number:</b> (from those potential solutions selected from the WTCS QRPDS Analysis)				

**Update:** *(A mid-year and year-end update will be required each year during implementation.)*

**May 2014:**

Time was scheduled in the computer lab in Fall 2013 for students to review the application process for NREMT-P certification. It will continue for fall 2014. In addition, a class discussion and activity was incorporated in Fall 2013 on how to implement and maintain certification and licensure in Wisconsin.

**January 2016:**

Set aside times to assist students in proper use of Online Lab records platform (Platinum Planner). This ensures proper documentation of Labs for NREMT and CoAEMSP compliance. Set aside time to assist students in acquiring State training permits, so that they were eligible to start clinical experience. Provided orientation on procedures to become eligible to challenge NREMT test.



## ACADEMIC PROGRAM IMPROVEMENT PLAN

<b>PROGRAM:</b>	10-531-1 Paramedic Technician and 31-531-1 EMT Paramedic			
<b>Defined Outcome:</b> Increase collaboration between the Allied Health and Public Safety Division at WITC by exploring Paramedic to RN coursework.	<b>Perkins?</b> no	<b>Responsibility</b>	<b>Timeline</b>	<b>Resources</b>
<b>Action Plan/Action Items:</b>  <i>Collect information from other WTCS colleges that are working on Paramedic to RN program.</i>  <i>Schedule meeting to discuss process with Divisional Dean, Allied Health and Director of curriculum.</i>  <i>Pilot a Paramedic to RN course in 2016.</i>		Paramedic Program Specialist Program director RN Program Dean RN Program Faculty WITC counselors State of WI EMS Divisional Dean Cindy King Betty Tschernach	Spring 2014-2016	
<b>WTCS QRP Indicator Name &amp; Number:</b> (from those potential solutions selected from the WTCS QRPDS Analysis)				

**Update:** *(A mid-year and year-end update will be required each year during implementation.)*

May 2014:

No action has been taking yet. The program is currently being piloted at NWTC. We are awaiting their results.

January 2015:

Discussion has occurred with the VP Academic Affairs on potential bridge from Paramedic to RN. Currently, we are working together in spring 2015 with a focus on Combat Medic to RN bridge.

June 2015:

No further discussions at this time, but may be part of a TAACCT Healthcare grant starting in September.

January 2016:

On hold until Divisional Dean of Allied Health decides the direction to take for curriculum.

## ACADEMIC PROGRAM IMPROVEMENT PLAN

<b>PROGRAM:</b>	10-531-1 Paramedic Technician and 31-531-1 EMT Paramedic			
<b>Defined Outcome:</b> Increase pass rate of paramedic licensing exams and job placement percentage reported at six-month graduation survey	<b>Perkins?</b> yes	<b>Responsibility</b>	<b>Timeline</b>	<b>Resources</b>
<b>Action Plan/Action Items:</b>  <i>Change cohort start date from January to August to accommodate testing schedule.</i>  <i>Implement computer based testing for EMT-P final exams through the use of online EMS testing.</i>  <i>Employ adaptive testing with the purchase of key codes that allow the student access to a computerized adaptive testing site throughout the program.</i>		Paramedic Program Specialist  Program director  Divisional Dean	Fall 2013, Spring 2014	
<b>WTCS QRP Indicator Name &amp; Number:</b> (from those potential solutions selected from the WTCS QRPDS Analysis)				
<b>Update:</b> (A mid-year and year-end update will be required each year during implementation.) May 2014: The cohort start date has been changed effective Fall 2014. It will now mirror the academic year of other programs, as recommended during our accreditation site visit. Computer-based final exams have been implemented through EMS Testing. Each student, through EMS Testing, received key codes to practice adaptive testing in Fall 2013. <b>(I300/I351)</b> January 2016: CoAEMSP benchmark for NREMT pass rate is 70%. Our 2013-2015 pass rate is 83.67%				



## ACADEMIC PROGRAM IMPROVEMENT PLAN

<b>PROGRAM:</b>	<b>10-531-1 Paramedic Technician and 31-531-1 EMT Paramedic</b>			
<i>Defined Outcome:</i> <b>Curriculum is current and accurate</b>	<i>Perkins?</i> no	<b>Responsibility</b>	<b>Timeline</b>	<b>Resources</b>
<i>Action Plan/Action Items</i>  <i>Catalog pages and web page are updated and current.</i> <i>Students review webpage and make suggestions.</i> <i>Plan is developed to update and maintain course outcome summaries.</i> <i>Delivery format of IPV and online is reviewed.</i> <i>Curriculum is reviewed for new technologies-when and where to incorporate.</i>		<b>Paramedic Program Specialist</b>  <b>Program Director</b>  <b>Advisory Committee</b>  <b>Students</b>	<b>Spring 2014</b>	
<b>WTCS QRP Indicator Name &amp; Number:</b> <i>(from those potential solutions selected from the WTCS QRPDS Analysis)</i>				

**Update:** *(A mid-year and year-end update will be required each year during implementation.)*

May 2014:

Catalog pages and web page were updated in spring 2014 to reflect new accreditation language. Student representatives reviewed the Paramedic web pages during the advisory committee meeting in spring 2014. Course outcome summaries have been completed and entered into WIDS. With statewide curriculum, outcomes will be reviewed and changed as dictated by the state. Classroom evaluations were completed in fall 2013. The online student evaluation system will be implemented in the fall 2014.

January 2015:

Course pre-requisites are being reviewed and updated spring 2015.

June 2015:

With staffing changes in instruction, delivery format, technologies and curriculum is currently under review.

January 2016:

New Paramedic Specialist made changes and updated curriculum August 2015. Classes are mapped out to better coincide with the sections of the 2011 WI Paramedic Curriculum. In person Lab hours increased to ensure program below 25% online limit. ITV lecture sessions formatted to comply with class specific credits and end sooner in semester so students have more time earlier to do clinical experience.

## ACADEMIC PROGRAM IMPROVEMENT PLAN

<b>PROGRAM:</b>	10-531-1 Paramedic Technician and 31-531-1 EMT Paramedic			
<b>Defined Outcome:</b> <b>Increase technical course completion percentage (1P1)</b>	<b>Perkins?</b> yes	<b>Responsibility</b>	<b>Timeline</b>	<b>Resources</b>
<b>Action Plan/Action Items:</b>  <i>Schedule a meeting with Accommodation Specialists at each location via IPV.</i> <i>Collaborate with Accommodations Specialists on each campus to develop a plan for early intervention for students.</i> <i>Review entrance assessment cut off scores.</i> <i>Identify resources for students that meet program entrance scores but still may need assistance with reading, language or cognitive skills.</i> <i>Develop a consistent method of scheduling clinicals, using an online scheduler software.</i> <i>Provide preceptor training on expectations of preceptors and facility requirements.</i>		Program Specialists Program Director Program Faculty Accommodation Specialist	Fall 2013, Spring 2014	
<b>WTCS QRP Indicator Name &amp; Number:</b> (from those potential solutions selected from the WTCS QRPDS Analysis)				

**Update:** *(A mid-year and year-end update will be required each year during implementation.)*

May 2014:

The Program Director, Program Specialists, and counselors reviewed the entrance cut off scores. The decision was made to maintain the current cut off scores, mirroring the ADN program. Students that do not meet assessment cut off scores will be referred by counselors to the Success Center and ETC. The online scheduling software has been implemented in fall 2013. The software helps us meet the accreditation citation we had to meet. The program specialist continues to work on expectations of preceptors. She is working with Nate Frye, WITC webmaster, to develop a system that tracks preceptor training. There is discussion at WITC and throughout the state on developing an internship for the clinical portion of the program instead of open preceptor policy. WITC is closely monitoring that discussion.

January 2016:

Have utilized Accommodations program for qualified students. Recently used Student Success Center resources for students requiring extra help with content. Being proactive to identify student needs to get early referral to Student Success.



## ACADEMIC PROGRAM IMPROVEMENT PLAN

<b>PROGRAM:</b>	10-531-1 Paramedic Technician and 31-531-1 EMT Paramedic			
<b>Defined Outcome:</b> Expand understanding of the Paramedic Programming within the College.	<b>Perkins?</b> no	<b>Responsibility</b>	<b>Timeline</b>	<b>Resources</b>
<b>Action Plan/Action Items:</b>  <i>Meet annually with Student Services teams on each campus to review the Paramedic program, entry requirements, and answer specific questions.</i>  <i>Communicate any changes or unique requirements with impacted staff at Shell Lake and the campuses to establish collaborative relationships.</i>  <i>Communicate with PR specialists with special EMS activities or events to promote the Paramedic program quarterly.</i>		Paramedic Program Specialist EMS Specialists Program Director Student Services WITC Counselors Divisional Dean	Spring 2014	
<b>WTCS QRP Indicator Name &amp; Number:</b> (from those potential solutions selected from the WTCS QRPDS Analysis)				
<b>Update:</b> (A mid-year and year-end update will be required each year during implementation.) May 2014: A letter was created on requirements prior to program admissions and shared with Student Services teams to assist with frequently asked questions on the Paramedic program. The plan is to schedule time to meet with Student Services and PR staff prior to October 2014, when applications for 2015 will start to be entered. January 2016: Kept Student Services informed on Program status. Paramedic Program is being showcased by Marketing Department this term starting February 2016				



## ACADEMIC PROGRAM IMPROVEMENT PLAN

<b>PROGRAM:</b>	EMT-Paramedic, Paramedic Technician			
<b>Defined Outcome:</b> Increase total number of enrollments by exploring interest in EMS program at the high school level	<b>Perkins?</b>	<b>Responsibility</b>	<b>Timeline</b>	<b>Resources</b>
<b>Action Plan/Action Items:</b>  <i>Schedule meetings with WITC Career Counselors and Career Specialists to identify high schools that may be interested in hosting EMT class.</i>  <i>Schedule meetings with pertinent high schools as identified above to discuss offering EMS programs to high school students.</i>  <i>Offer EMT program at the high school level to generate interest and explore the EMS culture.</i>  <i>Collaborate with marketing to publicize EMS training opportunities.</i>		Program Specialists Program Director High School Counselors WITC Counselors Enrollment Staff WITC Contract Specialists	Fall 2014	
<b>WTCS QRP Indicator Name &amp; Number:</b> (from those potential solutions selected from the WTCS QRPDS Analysis)				

**Update:** *(A mid-year and year-end update will be required each year during implementation.)*

May 2014: Paramedic Specialist is an active participant in the Career Days at WITC RL and visits a minimum of 6 school districts each year. Currently, WITC partners with Ladysmith School District to offer EMT to high school Juniors and Seniors. There is also discussion of hosting similar classes in Washburn in the near future.

January 2015: EMT will be offered onsite at Ladysmith High School to high school students.

June 2015: With staffing changes in instruction, delivery format, technologies and curriculum is currently under review.

January 2016: Paramedic Director did 2 High School Career Day visits in 2015 and has 2 more scheduled for Spring 2016.

January 2016: EMT being offered at Ladysmith and Flambeau High Schools (combined). Paramedic Director is working with Career Specialist at Rice Lake Campus to offer EMT classes at other High Schools.

## ACADEMIC PROGRAM IMPROVEMENT PLAN

<b>PROGRAM:</b>		EMT-Paramedic, Paramedic Technician			
<i>Defined Outcome:</i> <b>Assess one collegwide outcome</b>	<i>Perkins?</i>	<b>Responsibility</b>	<b>Timeline</b>	<b>Resources</b>	
<i>Action Plan/Action Items:</i> <i>Review collegwide outcome: Critical Thinking or Mathematics.</i> <i>Review appropriate rubrics and parameters.</i> <i>We have determined to assess both using appropriate rubrics.</i> <i>Determine which course and assignment to use for the assessing/embedding.</i> <i>Assess communication outcome during Pharmacology and medical emergencies coursework.</i> <i>Assess mathematics during pharmacology and capstone coursework.</i> <i>Assign work to students.</i> <i>Collect assignments.</i> <i>Assess, gather data and send to assessment committee.</i>		Paramedic Program Specialist  Program Director  Assessment Committee	Fall 2013, Spring 2015		
<b>WTCS QRP Indicator Name &amp; Number:</b> (from those potential solutions selected from the WTCS QRPDS Analysis)					

**Update:** *(A mid-year and year-end update will be required each year during implementation.)*

May 2014:

Completed both Critical Thinking and Mathematics CWO assessment in fall 2013 during Pharmacology and Capstone. Documentation and artifacts have been submitted to appropriate team.

June 2015:

Completed the Critical Thinking CWO assessment and submitted to the assessment team.

January 2016:

Continue to assess critical thinking and mathematics college-wide outcomes during Advanced Pharmacology and Paramedic Capstone.

## ACADEMIC PROGRAM IMPROVEMENT PLAN

<b>PROGRAM:</b>	EMT-Paramedic, Paramedic Technician			
<b>Defined Outcome:</b> <b>Establish consistency districtwide with clinical agreements</b>	<b>Perkins?</b>	<b>Responsibility</b>	<b>Timeline</b>	<b>Resources</b>
<b>Action Plan/Action Items:</b> <i>Develop one clinical agreement form with standardized language.</i> <i>Collaborate with Lisa Hall/Allied Health to identify a process to monitor the clinical settings in hospital.</i> <i>Collaborate with EMS specialists districtwide to establish clinical agreements and process.</i> <i>Collaborate with clinical and field sites to establish consistent guidelines and expectations.</i>		Paramedic Program Specialist Program Director EMS Specialists Divisional Dean EMS Support Staff	Fall 2013, Spring 2014	
<b>WTCS QRP Indicator Name &amp; Number:</b> (from those potential solutions selected from the WTCS QRPDS Analysis)				

**Update:** *(A mid-year and year-end update will be required each year during implementation.)*

**May 2014:**

Implemented the one clinical agreement in Fall 2013. This will be updated during the summer of 2014 for next cohort of students. Online preceptor training is being developed. A plan is being established for preceptor training and subsequent communication of expectations and follow up. This will be implemented for Fall 2014.

**January 2015:**

Clinical agreements were standardized and returned to WITC in the summer 2014. Preceptor training online has been created and completed by preceptors around the district. New preceptors complete the training online.

**June 2015:**

To better work with both students and clinical sites, a 599 Clinical Coordinator position has been added to the Paramedic program. This person will assist with maintaining the relationships, guidelines, and documentation with preceptor sites used in the program starting in Fall 2015.

**January 2016:**

Established and hired Clinical Coordinator Specialist to oversee clinical experiences, preceptors, students and agreements through Platinum Planner online platform. Working with Lisa Hall at Shell Lake to make sure EMS is included in Hospital agreements that she keeps on file. She also works with us on wording of specific EMS clinical agreements though kept on file by Program Director.