



# Paramedic Technician

Program No: 10-531-1

Associate Degree in Applied Science

Degree Completion Time: Varies

Degree completion time may vary based on student scheduling needs and class availability.

2012-2013

Catalog No.	Class Title	Credit(s)
<b>Term 1</b>		
10531102	EMT-Basic	4.00
10806177	General Anatomy & Physiology	4.00
10801195	Written Communication	3.00
10809196	Introduction to Sociology	3.00
10809198	Introduction to Psychology	3.00
	<b>Total</b>	<b>17.00</b>
<b>Term 2</b>		
10806179	Advanced Anatomy & Physiology	4.00
10806197	Microbiology	4.00
10801196	Oral/Interpersonal Communication	3.00
10809188	Developmental Psychology	3.00
	<b>Total</b>	<b>14.00</b>
<b>Term 3</b>		
10531911	EMS Fundamentals	2.00
10531912	Paramedic Medical Principles	4.00
10531913	Advanced Patient Assessment Principles	3.00
10531914	Advanced Prehospital Pharmacology	3.00
10531915	Paramedic Respiratory Management	2.00
10531916	Paramedic Cardiology	4.00
10531917	Paramedic Clinical/Field 1	3.00
10531918	Advanced Emergency Resuscitation	1.00
	<b>Total</b>	<b>22.00</b>
<b>Term 4</b>		
10531919	Paramedic Medical Emergencies	4.00
10531920	Paramedic Trauma	3.00
10531921	Special Patient Populations	3.00
10531922	EMS Operations	1.00
10531923	Paramedic Capstone	1.00
10531924	Paramedic Clinical/Field 2	4.00
	<b>Total</b>	<b>16.00</b>
	<b>Program Total</b>	<b>69.00</b>

**Note:** Terms 3 and 4 may be taken prior to Terms 1 and 2 with the exception of EMT--Basic.

Program start dates vary; check with your counselor for details.

Curriculum and program acceptance requirements are subject to change.

## About the Career

Injuries, trauma, sudden illness—medical emergencies can happen at any time, in any place. Survival often depends on the initial care the injured or severely ill person receives at the scene.

## Careers

Upon successful program completion, graduates are eligible to write, take, or challenge the National Registry of Emergency Medical Technicians Paramedic (NREMT-P) Exam. Graduates may be employed by city, county, or private paramedic providers.

## Admissions Steps

- Application
- Application Fee
- Entrance Assessment Scores
- Transcripts
- Background Check
- Program Advising Session
- Health/TB/Tetanus Form
- Functional Abilities Statement of Understanding Form

## Program Outcomes

You will learn to:

- Prepare for incident response and EMS operations.
- Integrate pathophysiological principles and assessment findings for a variety of patient encounters.
- 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 competency requirements for paramedic credentialing.

## Other Program Expectations

You will need to:

- Walk.
- Climb.
- Possess upper/lower body strength. Ability to perform very heavy lifting (exerting in excess of 100 pounds of force occasionally and in excess of 50 pounds of force frequently).
- Speak.
- Listen.
- **In addition to class time, students will be expected to spend approximately 4 hours per week in the EMS/AT Lab.**

## Approximate Costs

- \$126 per credit (resident)
- \$182 per credit (out-of-state resident)
- Other fees vary by program (books, supplies, materials, tools, uniforms, health-related exams, etc.)

## Special Note

Students successfully completing the EMT-Basic course and the Terms 3 and 4 coursework of the program are able to sit for the National Registry Paramedic exam. At this time, a student can also apply for graduation in the EMT-Paramedic Technical Diploma program. The remaining general education and science courses can be completed afterwards to complete the Associate Degree requirements for graduation.

## Functional Abilities

Functional abilities are the basic duties that a student must be able to perform with or without reasonable accommodations. At the postsecondary level, students must meet these requirements, and they cannot be modified.

## Special Note

LTC's Paramedic educational programming is accredited through CAHHEP, the Commission on Accreditation of Allied Health Education Programs.

## Placement Scores

Accuplacer/ACT scores will be used to develop your educational plan. Please contact your program counselor/advisor at 920-693-1109.

## Transfer agreements are available with the following institutions:

Capella University  
Cardinal Stritch University  
Concordia University  
Franklin University  
Herzing University  
Lakeland College

Ottawa University  
Silver Lake College  
University of Phoenix  
Upper Iowa University  
UW-Green Bay  
UW-Oshkosh

UW-Stout

IMPORTANT: For more information on these agreements, visit [gotoltc.edu/transfer](http://gotoltc.edu/transfer).

### **10531102 Emergency Medical Technician - Basic**

...provides the student with the skills to perform patient assessment, stabilize/immobilize injuries and provide basic treatment of medical emergencies.

CONDITION: 305313 EMT-Basic or 105311 Paramedic Technician program requirements met

### **10531911 EMS Fundamentals**

...provides comprehensive knowledge of EMS systems, safety, well-being, legal issues and ethical issues with intended outcome of improving EMS personnel, patients and the community.

CONDITION: 105311 Paramedic Technician or 315311 EMT Paramedic or 105312 Fire Medic program requirements met

### **10531912 Paramedic Medical Principles**

...provides the depth of anatomy, physiology and pathophysiology of major human systems while also introducing the students to shock, immunology and bleeding.

CONDITION: 105311 Paramedic Technician or 315311 EMT Paramedic or 105312 Fire Medic program requirements met and COREQUISITE: 10531911 EMS Fundamentals

### **10531913 Advanced Patient Assessment Principles**

...provides scene and patient assessment findings with knowledge of epidemiology and pathophysiology to form a field impression.

CONDITION: 105311 Paramedic Technician or 315311 EMT Paramedic or 105312 Fire Medic program requirements met and COREQUISITE: 10531912 Paramedic Medical Principles

### **10531914 Advanced Prehospital Pharmacology**

...provides student with comprehensive knowledge of pharmacology required to formulate and administer a pharmacological treatment plan intended to mitigate emergencies and improve the health of the patient.

CONDITION: 105311 Paramedic Technician or 315311 EMT Paramedic or 105312 Fire Medic program requirements met and COREQUISITE: 10531913 Advanced Patient Assessment Principles

### **10531915 Paramedic Respiratory Management**

...provides specific knowledge pertaining to the respiratory system and to ensure the student is prepared to formulate a field impression and implement a comprehensive treatment plan for a respiratory complaint.

CONDITION: 105311 Paramedic Technician or 315311 EMT Paramedic or 105312 Fire Medic program requirements met and COREQUISITE: 10531914 Advanced Prehospital Pharmacology

### **10531916 Paramedic Cardiology**

...provides the principles of cardiovascular anatomy, physiology, epidemiology, and pathophysiology to formulate a field impression and a plan for a patient with a cardiovascular complaint.

CONDITION: 105311 Paramedic Technician or 315311 EMT Paramedic or 105312 Fire Medic program requirements met and COREQUISITE: 10531915 Paramedic Respiratory Management

### **10531917 Paramedic Clinical/Field 1**

...provides student with the opportunity to enhance their learning through the practice in the field and health care environment experience with actual patients under the supervision of approved preceptors or high-fidelity human patient simulator.

CONDITION: 105311 Paramedic Technician or 315311 EMT Paramedic or 105312 Fire Medic program requirements met and COREQUISITE: 10531911 EMS Fundamentals

### **10531918 Advanced Emergency Resuscitation**

...provides ACLS and PALS preparing the 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 with intervention to prevent respiratory and/or cardiac arrest if possible.

CONDITION: 105311 Paramedic Technician or 315311 EMT Paramedic or 105312 Fire Medic program requirements met and COREQUISITE: 10531916 Paramedic Cardiology

### **10531919 Medical Emergencies**

...provides the student to integrate assessment findings with principles of anatomy, physiology, epidemiology, and pathophysiology to formulate a field impression and implement a treatment plan for an acutely injured patient.

CONDITION: 105311 Paramedic Technician or 315311 EMT Paramedic or 105312 Fire Medic program requirements met and COREQUISITE: 10531918 Advanced Emergency Resuscitation

### **10531920 Paramedic Trauma**

...provides student to integrate assessment findings with principles of anatomy, physiology, epidemiology and pathophysiology to formulate a field impression and implement a treatment plan for an acutely injured patient.

CONDITION: 105311 Paramedic Technician or 315311 EMT Paramedic or 105312 Fire Medic program requirements met and COREQUISITE: 10531919 Paramedic Medical Emergencies

### **10531921 Special Patient Populations**

...provides student to integrate assessment findings with principles of anatomy, physiology, epidemiology and pathophysiology to formulate a field impression and implement a treatment plan for patients with special needs.

CONDITION: 105311 Paramedic Technician or 315311 EMT Paramedic or 105312 Fire Medic program requirements met and COREQUISITE: 10531920 Paramedic Trauma

### **10531922 EMS Operations**

...provides the knowledge of operational roles and responsibilities to ensure patient, public and EMS personnel safety.

CONDITION: 105311 Paramedic Technician or 315311 EMT Paramedic or 105312 Fire Medic program requirements met and COREQUISITE: 1 10531921 Special Patient Populations

### **10531923 Paramedic Capstone**

...provides the final opportunity to incorporate knowledge and skills through labs and scenario-based practice and evaluations prior to taking the NREMT written and practical exams.

CONDITION: 105311 Paramedic Technician or 315311 EMT Paramedic or 105312 Fire Medic program requirements met and COREQUISITE: 10531922 EMS Operations

### **10531924 Paramedic Clinical/Field 2**

...provides student with the opportunity to enhance their learning through the practice in the field and healthcare environment experience with actual patients under the supervision of approved preceptors or high-fidelity human patient simulator.

CONDITION: 105311 Paramedic Technician or 315311 EMT Paramedic or 105312 Fire Medic program requirements met and COREQUISITE: 10531918 Advanced Emergency Resuscitation

### **10801195 Written Communication**

...teaches the writing process, which includes prewriting, drafting, revising, and editing. Through a variety of writing assignments, the student will analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Keyboarding skills are required for this course. It also develops critical reading and thinking skills through the analysis of a variety of written documents.

PREREQUISITE: 10831103 Intro to College Wrtg or CONDITION: Written Comm Prepared Learner (Accuplacer Wrtg min score of 86 or Equivalent) and COREQUISITE: 10838105 Intro Rdg & Study Skills or CONDITION: Reading Accuplacer min score of 74 or equivalent

### **10801196 Oral/Interpersonal Comm**

...provides students with the skills to develop speaking, verbal and nonverbal communication, and listening skills through individual speeches, group activities, and other projects.

COREQUISITE: 10838105 Intro Reading and Study Skills or CONDITION: Reading accuplacer minimum score of 74 or equivalent

### **10806177 General Anatomy and Physiology**

...examines basic concepts of human anatomy and physiology as they relate to health sciences. Using a body systems approach, the course emphasizes the interrelationships between structure and function at the gross and microscopic levels of organization of the entire human body. It is intended to prepare health care professionals who need to apply basic concepts of whole body anatomy and physiology to informed decision-making and professional communication with colleagues and patients.

PREREQUISITE: 10806174 General Chemistry or 10806134 General Chemistry or High School Chemistry Equivalent

### **10806179 Advanced Anatomy and Physiology**

...is the second semester in a two-semester sequence in which normal human anatomy and physiology are studied using a body systems approach with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. Instructional delivery within a classroom and laboratory setting. Experimentation within a science lab will include analysis of cellular metabolism, the individual components of body systems such as the nervous, neuro-muscular, cardiovascular, and urinary. Continued examination of homeostatic mechanisms and their relationship to fluid, electrolyte, acid-base balance and blood. Integration of genetics to human reproduction and development are also included in this course.

PREREQUISITE: 10806177 General Anatomy & Physiology or 10806177SA General Anatomy & Physiology

### **10806197 Microbiology**

...introduces the learner to examine microbial structure, metabolism, genetics, growth and relationship between humans and microorganisms. Addresses disease production, epidemiology, host defense mechanisms and the medical impact of microbes. Examines the role of microbes in the environment, industry, and biotechnology.

PREREQUISITE: 10806195 Anat and Phys I, or 10806177 General Anat and Physiology

### **10809188 Developmental Psychology**

...introduces the student to the study of human development throughout the lifespan. This course explores developmental theory and research with an emphasis on the interactive nature of the biological, cognitive, and psychosocial changes that affect the individual from conception to death. Application activities and critical thinking skills will enable students to gain an increased knowledge and understanding of themselves and others.

COREQUISITE: 10838105 Intro Reading and Study Skills or Accuplacer Reading score of 74 or equivalent

### **10809196 Introduction to Sociology**

...introduces students to the basic concepts of sociology: culture, socialization, social stratification, multi-culturalism, and the five institutions, including family, government, economics, religion, and education. Other topics include demography, deviance, technology, environment, social issues, social change, social organization, and workplace issues.

COREQUISITE: 10838105 Intro Reading and Study Skills or Accuplacer Reading score of 74 or equivalent

### **10809198 Intro to Psychology**

...introduces students to a survey of the multiple aspects of human behavior. It involves a survey of the theoretical foundations of human functioning in such areas as learning, motivation, emotions, personality, deviance and pathology, physiological factors, and social influences. It directs the student to an insightful understanding of the complexities of human relationships in personal, social, and vocational settings.

COREQUISITE: 10838105 Intro Reading and Study Skills or Accuplacer Reading score of 74 or equivalent