



# Fire Medic

Program No: 10-531-2

Associate Degree in Applied Science • Degree Completion Time: Four Terms  
In general, an academic year consists of two terms; however, degree completion time may vary based on student scheduling needs and class availability.

2012-2013

Catalog No.	Class Title	Credit(s)	
<b>Term 1 (January Start)</b>			
10503142	Firefighting Principles	4.00	
10801195	Written Communication	3.00	
10804107	College Mathematics	3.00	
10503911	Company Level Inspection	2.00	
10809198	Introduction to Psychology	3.00	
	<b>Total</b>	<b>15.00</b>	
<b>Summer Term</b>			
10503107	Fire Apparatus Engineer	3.00	
	<b>Total</b>	<b>3.00</b>	
<b>Term 2</b>			
10503144	Advanced Firefighting Concepts	2.00	
10801196	Oral/Interpersonal Communication	3.00	
10809196	Intro to Sociology OR 10809122 Intro to American Government (3 credits)	3.00	
10809159	Abnormal Psychology	3.00	
10809166	Introduction to Ethics	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>70.00</b>	
<b>Note:</b>	Catalog numbers assigned to "elective" classes are for administrative use only. Consult with program counselor regarding your elective selection.		
	Program start dates vary; check with your counselor for details.		
	Curriculum and program acceptance requirements are subject to change.		
<b>About the Career</b>			
A Firefighter Paramedic (Fire Medic) protects life and property through fire suppression, rescue, prevention, and Emergency Medical Treatment capabilities. Graduates are highly trained in the modern firefighting techniques and Paramedic skills necessary to make them successful in the dynamic emergency services environment.			<ul style="list-style-type: none"> <li>• Speak, hear, and have normal corrected vision.</li> </ul>
<b>Careers</b>			
<ul style="list-style-type: none"> <li>• Firefighter (Municipal or Private)</li> <li>• Paramedic (Municipal or Private)</li> <li>• Cross-trained Firefighter Paramedic</li> <li>• Emergency Room Technician</li> <li>• Flight Paramedic</li> </ul>			
<b>Admissions Steps</b>			
<ul style="list-style-type: none"> <li>• Application</li> <li>• Application Fee</li> <li>• Transcripts</li> <li>• Entrance Assessment Scores</li> <li>• Background Check</li> <li>• Program Advising Session</li> <li>• Health/TB/Tetanus Form</li> <li>• Wisconsin Emergency Medical Technician-Basic License</li> <li>• Functional Abilities Statement of Understanding Form</li> </ul>			
<b>Program Outcomes</b>			
You will learn to:			
<ul style="list-style-type: none"> <li>• Perform essential firefighting and paramedic skills for preservation of life and property and incident stabilization.</li> <li>• Value the diversity of emergency incidents and be prepared to be an active responder to these incidents.</li> <li>• Use effective verbal and nonverbal communication skills in emergency environments.</li> <li>• Understand the critical roles fire prevention, fire inspection, fire investigation, and public education play in lessening the loss of life and property.</li> <li>• Evaluate emergency incidents and implement effective and efficient actions to mitigate and stabilize each incident.</li> <li>• Operate fire service equipment and apparatus effectively and efficiently.</li> </ul>			
<b>Other Program Expectations</b>			
You'll need to:			
<ul style="list-style-type: none"> <li>• Have a valid driver's license.</li> <li>• Have a CDL instruction permit during the Fire Apparatus Engineer course.</li> <li>• Be in and maintain good physical condition.</li> <li>• Bend, jump, and lift weights (for fitness).</li> </ul>			
<b>Approximate Costs</b>			
<ul style="list-style-type: none"> <li>• \$126 per credit (resident)</li> <li>• \$182 per credit (out-of-state resident)</li> <li>• Other fees vary by program (books, supplies, materials, tools, uniforms, health-related exams, etc.)</li> </ul>			
<b>Functional Abilities</b>			
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.			
<b>Special Note</b>			
LTC's Paramedic educational programming is accredited through CAHHEP, the Commission on Accreditation of Allied Health Education Programs.			
<b>Placement Scores</b>			
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).

---

## 10503107 Fire Apparatus Engineer

...prepares firefighters to drive and operate fire department emergency apparatus. The course presents theories of hydraulics as applied to the fire service, with emphasis on mathematics, and formulas used in operating fire apparatus pumps. Students receive lecture and practical training on maintenance, driving, operating on-board pumps and equipment, and apparatus testing. The course content meets the NFPA 1002 requirement for fire department pumper driver/operator.  
**PREREQUISITE:** 10503142 Firefighting Principles

## 10503142 Fire Fighting Principles

...describes for the learner the basic fire behavior, techniques used to control structural and related fire emergencies, and life safety practices. Students perform all practical evolutions necessary to control and extinguish fire or otherwise meet fire training requirements for Firefighter I certification with the State of Wisconsin.  
**CONDITION:** 105312 Fire Medic program requirements met and **COREQUISITE:** 10503911 Company Level Inspection

## 10503144 Advanced Firefighting Concepts

...advances previously learned concepts to build a stronger foundation while exposing the learner to new concepts such as vehicle extrication, technical rescue, flammable liquids fire suppression, and team leadership/management. This course meets the requirements of NFPA 1001 for the Firefighter II level.  
**PREREQUISITE:** 10503142 Firefighting Principles

## 10503911 Company Level Inspections

...familiarizes the students with state and local regulations and national codes relating to fire prevention. The course requires the completion of actual inspections and fire safety presentations. Presents the necessary information for performing company level fire inspections.  
**CONDITION:** 105312 Fire Medic program requirements met and **COREQUISITE:** 10503142 Firefighting Principles

## 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 cardiofascular 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:** 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

## 10804107 College Mathematics

...is designed to review and develop fundamental concepts of mathematics pertinent to the areas of: 1) arithmetic and algebra; 2) geometry and trigonometry; and 3) probability and statistics. Special emphasis is placed on problem solving, critical thinking and logical reasoning, making connections, and using calculators.  
**PREREQUISITE:** Accuplacer Math minimum score of 79 or Equivalent or 10834109 Pre-Algebra and **COREQUISITE:** 10838105 Intro Reading and Study Skills or **CONDITION:** Reading accuplacer minimum score of 74 or equivalent

## 10809159 Abnormal Psychology

...surveys the essential features, possible causes, and assessment and treatment of the various systems of abnormal behavior from the viewpoint of the major theoretical perspectives in the field of abnormal psychology. Students will be introduced to the diagnosis system of the Diagnostic and Statistical Manual of Mental Disorders (DSM-IV). In addition, the history of the psychology of abnormality will be traced. Cultural and social perspectives in understanding and responding to abnormal behavior will be explored as well as current topics and issues within abnormal psychology.  
**PREREQUISITE:** 10809198 Psychology-Introduction, or 10809199 Psychology of Human Relations

## 10809166 Introduction to Ethics: Theory and Application

...provides a basic understanding of the theoretical foundations of ethical thought. Diverse ethical perspectives will be used to analyze and compare relevant issues. Students will critically evaluate individual, social and/or professional standards of behavior, and apply a systematic decision-making process to these situations.

## 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