

**GREAT PLAINS TECHNOLOGY CENTER
COURSE OF STUDY**

Career Cluster: Law, Public Safety, Corrections and Security (LW)

Career Pathway: Emergency & Fire Management Services (LW002)

Career Major: Advanced Firefighter (LW0020006)

Career Major Hours: Adult Students: **705** Hours

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Academic Credit: Adult Students: Transcript

Prerequisites: High School Graduate or equivalent and minimum age 18.

Career Major Description:

This career major examines the global view of firefighting to include the fire service career, roles of fire service personnel, early traditions and history, fire prevention, firefighter safety, public fire and life safety education, fire investigation, fire related scientific terminology, building construction, fire detection, fire suppression, the role of public and private support organizations, fire and emergency services, and fire department organization and management. Emphasis is on exploration, and analysis of the fire service.

Career Major Goals:

Students enrolled in this major will be given the opportunity to develop the skills and attitudes needed to successfully enter the Emergency Medical Technician or Firefighting professions according to their personal choice, ability, and resourcefulness.

Upon achieving the goals of this career major, students will:

- Become qualified for further related education and/or entry into the job market.
- Participate as responsible citizens.
- Become competent in the fundamental skills of the Emergency Medical Technician and Firefighter professions.
- Develop positive and realistic self image.
- Develop the ability to work with limited or no supervision.
- Accept and abide by the rules and regulations established by the school, place of employment, and/or the United States Department of Transportation.
- Develop occupationally related communication and problem solving skills.

Related Career Opportunities:

- EMT
- First Responder
- Dispatcher

Career Major Objectives:

After successful completion of this career major, the student will be able to:

- Follow the standards and policies of the United States Department of Transportation (USDOT) in providing emergency medical care.
- Provide direct patient care in a variety of medical emergency situations.
- Identify and understand legal, moral, and ethical responsibilities in emergency medical care.
- Identify and differentiate between ethical and unethical conduct in patient care situations.
- Use a variety of equipment in out-of-hospital patient care situations.
- Work as a member of an emergency response team.
- Identify characteristics of fire behavior.
- Demonstrate appropriate safety principles.
- Demonstrate appropriate use of firefighting equipment.
- Demonstrate appropriate firefighting procedures for entry, ventilation, and salvaging.
- Demonstrate appropriate firefighting procedures for various types of fires.
- Participate in occupational work-hardening activities.
- Successfully complete occupationally related physical fitness assessments.

DESCRIPTION OF COURSES

<u>Course #</u>	<u>Course Name</u>	<u>ADT</u>	<u>ADL</u>	<u>Total</u>
TI01006	Fire Academy Firefighter Orientation	20	0	20
This course examines the global view of firefighting to include the fire service career, roles of fire service personnel, early traditions and history, fire prevention, firefighter safety, public fire and life safety education, fire investigation, fire related scientific terminology, building construction, fire detection, fire suppression, the role of public and private support organizations, fire and emergency services, and fire department organization and management. Emphasis is on exploration, and analysis of the fire service.				
HL001GP	Emergency Medical Technician	140	76	216
This course is designed to provide rescuers with the emergency medical knowledge and skills necessary to care for the sick and injured in a pre-hospital setting. Topics include the recognition and treatment of respiratory and circulatory emergencies, trauma, and medical emergencies, environmental injuries, emergency childbirth, and psychological emergencies. Students successfully completing this course are eligible to take the National Registry of Emergency Medical Technicians exam. One hundred thirty-four instruction hours, seventy laboratory hours, and 36 hours in the clinical setting.				
HL00209	EMT Clinical	0	40	40
The EMT preceptorship is a clinical experience based in the hospital or in the field. The purpose of the preceptorship is to provide students with patient contact experience to allow practice of skills in a clinical setting. A minimum of 8 hours in either the ED or with an Ambulance Service is required - students can finish up their clinical requirement, after that, in either clinical.				
TI01266	Mayday	8	8	16
This course is designed to teach firefighters to save themselves and their fellow firefighters while operating in structures. This is an entry level course that teaches basic carries, drags, use of ropes for quick extrication, and takes firefighters through a SCBA confidence course.				

TI01274 Fire Academy – Firefighter I 60 70 130

This course is designed to give the students knowledge and ability to perform individually and as a part of a team within a fire ground activity. Students that successfully complete this course will have met the standards as set forth by Chapter 5 of NFPA 1001, 2002. The Firefighter I course is an introductory course that is meant to be built upon by personnel that wish to pursue volunteer or career work within the Fire Service.

TI01008 Fire Academy – Firefighter II 24 24 48

The Fire Academy-Firefighter II course is an advanced course that is designed to build upon the knowledge that has been previously gained completing the Fire Academy-Firefighter I course. This course is designed to give the students' knowledge and ability to perform individually and as a part of a team within a fire ground activity. Students that successfully complete this course will have met the standards for Firefighter II as outlined in Chapter 6 of NFPA 1001, 2002.

TI01009 Fire Academy – Hazardous Materials Awareness 6 6 12

This course is designed to prepare students who are mandated by law or called on by necessity to respond to emergency incidents involving Hazardous Materials. It provides students with information to take appropriate initial actions when hazardous material emergencies are encountered. Students will learn to recognize the presence of hazardous materials, start the identification process, and control the scene in a safe and competent manner until responders with the appropriate level of training arrive.

TI01010 Fire Academy – Hazardous Materials Operations Level 20 20 40

This course is designed to prepare firefighters who respond to releases or potential releases of hazardous materials, as part of the initial response, for protecting nearby persons, the environment, or property from the effects of the release. It is also designed to help them respond in a defensive fashion to control the release from a safe distance and keep it from spreading.

TI00952 Basic EMT Firefighter Medical and Physical Requirements for Firefighters 25 50 75

This course prepares students for the physical requirements of training and testing for Firefighter entrance examinations.

TI01434 Fire Academy – Vehicle Extrication A 8 8 16

This course provides the knowledge and skills to prepare a firefighter to extricate victim(s) from a common passenger vehicle in a safe and effective manner utilizing resources and equipment to stabilize the vehicle. Cut the vehicle with the extrication tools and move the patient to safety.

TI01014 Fire Academy – Flammable Liquid and Gas Emergencies 8 8 16

This course is designed to help fire service and industry emergency responders to develop the knowledge and skills necessary to safely and effectively manage a flammable or gas emergency in transportation or at fixed facilities. It is based upon nationally recognized engineering practices, recommended operating practices, and training programs

TI01015 Fire Academy – Flashover Training 4 4 8

This class is designed to teach firefighters about the rapid fire progression known as flashover. This course includes classroom theory with the practical application of experiencing a flashover in a laboratory environment. Students will also learn fire stream application techniques to be employed.

TI01017 Fire Academy – Introduction to Computers 10 10 20

Firefighters are required to use computer applications for virtually all aspect of the service including documentation, various requests, incident reports, and many others. This course will enable fire academy students to learn basic terminology and concepts relating to PC computers.

TI01018 Fire Academy – OEVDT 4 4 8

This course is designed to enable participants to drive an emergency vehicle and upon completion of the course, the student will receive a completion certificate. The course provides information on all aspects of safe driving and the Oklahoma laws that pertain to emergency vehicles.

TI01019 NIMS – FEMA Training 12 0 12

The student will be guided through an on-line course that will enable participants to demonstrate basic knowledge of the Incident Command System. ICS 100, 200, 700, 800, Introduction to the Incident Command System, introduces the Incident Command System (ICS) and provides the foundation for higher level ICS training. This course describes the history, features and principles, and organizational structure of the ICS.

TI01020 Fire Academy – Fire Department Internship 0 24 24

The fire department internship is provided to allow the participants of the fire academy the opportunity to witness the day-to-day operations of a fire department.

TI067GP Traffic Incident Management – TIMS Training 4 0 4

The student will be guided through an on-line course that provides first responders a shared understanding of the requirements for safe, quick clearance of traffic incident scenes; prompt, reliable and open communication; and motorist and responder safeguards. First responders learn how to operate more efficiently and collectively.

Career Major Total:	Theory	Lab	Total
Adult Student:	353	352	705

Evaluation Policy:

Great Plains Technology Center grading policy states that both performance and didactic knowledge will be assessed. Additionally, employability skills and homework/quizzes will account for portions of the final grade.

Employability Grades (100 points per week; 40% of final grade)

The employability skills grade is based on 20 points per day (which may include: attitude, attendance, safety, punctuality, cooperation, participation, clean-up, class preparation, school/classroom rules, and time management). Points will be deducted if these responsibilities are not met at the instructor’s discretion. Students will be allowed to make up unearned employability points for **excused** absences only. Full credit will be given for assignments/tests that have been made up due to excused absences only (see Student Handbook).

Performance Grades (15% of final grade)

- Live projects
- Performance or skill tests
- Homework
- Written Assignments

Final Exam Grade (15% of final grade)

- Certification Tests

Test Grades (30% of final grade)

- Test grades will be based on a 100-point scale.
- Test grades include written and/or skills tests.
- A test will be given for each unit of instruction.
- Tests are to be taken as a unit is completed.
- Tests must be completed within allotted time.

Final Grade (9 Weeks Period)

9-weeks grade will be calculated by averaging grades in each category and summing each category according to their assigned weight. Progress reports will be sent to home schools at six and twelve-week intervals each semester as required or requested. Grades are accessible on-line at <http://sonisweb.greatplains.edu/studsect.cfm>

Grading Scale:

The grading scale as adopted by the Board of Education is as follows:

A	=	90 – 100
B	=	80 – 89
C	=	70 – 79
D	=	60 – 69
F	=	Below 60
W	=	Withdrawn
I	=	Incomplete
N	=	No Grade (Refer to Student Handbook)

Written and Skills Test Policy:

Based on the national standards required for state and national licensure, cadets who score below an 80% on written or performance skill examinations must correct the test and provide page numbers where the answer was found and cadet must write out all questions missed. The grade recorded for the test will be the original score + .25 for each corrected answer. The 80% grade requirement exists to prepare cadets to successfully pass licensure/certification examinations. Under this policy, passing scores will be considered a mid-level “C” grade average.

Make-Up Work Policy:

All Make-Up Work Is The Responsibility Of The Student. Make-up work will be handled as specified in the Student Handbook. Please be sure to read and understand all student policies, especially make-up of assignments, tests and employability due to absences. Students should always arrange for any make-up work with the instructor as per the Student Handbook. Students should keep track of his or her progress and grades.

Attendance Policy:

For specific information related to attendance and tardiness refer to the Student Handbook. Students should keep a written record of their absences and tardiness.

Course Requirements and Expectations:

The general course requirements and expectations include:

- Students will be required to wear appropriate uniforms for both work hardening and professional training.
- All students must adhere to the policies and procedures in the GPTC Student Handbook.
- The student must demonstrate the ability to apply safety procedures to all aspects of the firefighting and EMT field.
- Students will be required to participate in all physical activities and fitness workouts.
- It is highly recommended that each student purchases or attains the required tools and equipment for employment as an EMT/Firefighter.
- Teaching methods consist of lecture and “hands on” projects.

Student Behavior Includes:

- Student will be required to wear the assigned uniform during the school day.
- SkillsUSA is the student organization for the EMT/Firefighter field. This club offers an outstanding opportunity to develop leadership and social skills. Students are highly encouraged to participate.
- Participate as responsible citizens
- Accept and abide by the rules and regulations established by the school and/or place of employment

NOTE: For additional information or questions regarding the GPTC School policies and procedures, please refer to the Student Handbook and/or the Instructor.

Industry Alignments:

- National Fire Protection Association's – NFPA
- US Department of Transportation
- US Department of Homeland Security
- National Registry Examination for Emergency Medical Technicians
- National Consortium of Health Science Technology Education
- Oklahoma State Department of Health
- OSU Fire Service Training: Emergency Vehicles Operations
- NREMT

Certification Outcomes:

Tier 1 – Certifications Recognized, Administered and/or Endorsed by Industry

- NREMT: Emergency Medical Technician Basic Certification (8701)
- OFST: Firefighter I (5251)
- OFST: Firefighter II (5253)
- OFST: Hazardous Materials Awareness
- OFST: Hazardous Materials Operations (5252)

Tier 6 – Certifications Administered/Proctored by Instructor

- AHA: CPR for Healthcare Providers
- NIMS
- OSU Fire Service Training: Emergency Vehicle Operations
- **TIMS**

Tier 7 – National Career Readiness Certificate in Applied Mathematics, Locating Information and Reading for Information:

- Platinum Level – 6 or above in all three areas
- Gold Level – 5 or above in all three areas
- Silver Level – 4 or above in all three areas
- Bronze Level – 3 or above in all three areas

CIP Code and SOC Code Crosswalk:

- CIP Code – 43.0203
- SOC Code – 33-2011.01

Instructional Materials:

Students are required to purchase textbooks or supplemental materials.

Textbooks: **Books will change for Hazardous Materials – Desk Copy**

IFSTA Committee. Essentials of Fire Fighting and Fire Department Operations & Workbook Set. 6th ed. 978-0133418637. Stillwater: Fire Protection Publications, 2008. (\$152.00)

Limmer, Daniel J. Emergency Care + Workbook +MyBradyLab Access Card for Emergency Care. 978-0133120516. 12th ed. Upper Saddle River: Prentice Hall, 2012. (\$194.00)