

Fire Fighter

New Horizons Regional Educational Centers - Butler Farm

757-766-1100 Ext. 3341

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BS Fire Administration

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Grade Level: 11TH & 12TH

Length of course: 2.5 hrs/day for 180 days = 1 academic year (3 credits) (6 college credits)

State Course code #: Dept of Education - 8705 / 8706

Textbook/Materials: IFSTA Essentials of Fire Fighting, 5th edition

Hazardous Materials Student Manual

Basic Life Support for Health Care Providers - AHA

Facilities Classroom: On campus and field trips to training grounds

Course Description: The course prerequisite training would consist of certifications or recertifications in basic life support skills, National Incident Management System (NIMS) and hazardous materials. This is an entry level course consisting of class work, homework scenarios and skill practice that prepares the student to carry out most fire ground functions under direct supervision. Provide an overview to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection/service; fire loss analysis; organization and function to public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics. (FST 100) Students are introduced to fire behavior and combustion exploring the theories and fundamentals of how and why fires start, spread, and how they are controlled. (FST 110) Students will be introduced to basic firefighting tools, fireground safety, and the need for physical fitness. This course is physically challenging and requires the student meets the minimal physical requirements as set by the Department of Labor for the position description of Firefighter. The course is dual enrolled with Thomas Nelson Community College (6 credit hours-FST 100 and 105) for students who qualify.

The course training consists of certification, or certificates of completion, in:

- Basic Life Support/AED for Healthcare Provider (American Heart Assoc.)
- First Aid (American Heart Assoc.)
- Bloodborne Pathogens
- NIMS 100a - Introduction to Incident Command System, ICS-100

After completing this lesson, the student shall be able to summarize fire department policies, procedures, and organizational principles as they apply to the authority having jurisdiction (AHJ).

Lesson: Firefighter Safety and Health

Objectives

After completing this lesson, the student shall be able to apply firefighter safety and health practices following the policies and procedures set forth by the authority having jurisdiction (AHJ).

Lesson: Fire Behavior

Objectives

After completing this lesson, the student shall be able to summarize physical and chemical changes and reactions that occur with fire and the factors involved in fire development.

Lesson: Building Construction

Objectives

After completing this lesson, the student shall be able to recognize the various components of basic building construction, understand the effects of fire on common building materials, and identify the indications of imminent building collapse and construction hazards.

Lesson: Firefighter Personal Protective Equipment

Objectives

After completing this lesson, the student shall be able to identify, use, and maintain various articles of protective clothing and equipment following the policies and procedures set forth by the authority having jurisdiction (AHJ).

Lesson: Portable Fire Extinguisher

Objectives

After completing this lesson, the student shall be able to operate portable fire extinguishers effectively and safely following the policies and procedures set forth by the authority having jurisdiction (AHJ).

Lesson: Ropes and Knots

Objectives

After completing this lesson, the student shall be able to apply basic use of ropes and knots following the policies and procedures set forth by the authority having jurisdiction (AHJ).

Lesson: Rescue and Extrication

Objectives

After completing this lesson, the student shall be able to summarize procedures and guidelines for rescue operations and perform basic victim removal following the policies and procedures set forth by the authority having jurisdiction (AHJ).

Lesson: Forcible Entry

Objectives

After completing this lesson, the student shall be able to force entry through various types of doors, padlocks, windows, and walls following the policies and procedures set forth by the authority having jurisdiction (AHJ).

Lesson: Ground Ladders

Objectives

After completing this lesson, the student shall be able to safely and effectively select, carry, raise, and work from ladders following the policies and procedures set forth by the authority having jurisdiction (AHJ).

Lesson: Ventilation

Objectives

After completing this lesson, the student shall be able to identify reasons and needs for various types of ventilation within a structure, distinguish which types of ventilation are most effective to varying situations, and perform duties related to ventilating a structure following the policies and procedures set forth by the authority having jurisdiction (AHJ).

Lesson: Water Supply

Objectives

After completing this lesson, the student shall be able to make hydrant connections and draft from a static water source according to the authority having jurisdiction (AHJ).

Lesson: Fire Hose

Objectives

After completing this lesson, the student shall be able to use, care for, and perform maintenance on fire hose, couplings, hose appliances, and tools and perform various hose loads and finishes following the policies and procedures set forth by the authority having jurisdiction (AHJ).

Lesson: Fire Streams

Objectives

After completing this lesson, the student shall be able to effectively operate a solid stream nozzle, fog stream nozzle, and broken stream nozzle following the policies and procedures set forth by the authority having jurisdiction (AHJ).

Lesson: Fire Control

Objectives

After completing this lesson, the student shall be able to attack various types of fires, using effective attack tactics, following the policies and procedures set forth by the authority having jurisdiction (AHJ).

Lesson: Fire Detection, Alarm, and Suppression Systems

Objectives

After completing this lesson, the student shall be able to operate various fire detection, alarm, and suppression systems and operate at fires in protected properties following the policies and procedures set forth by the authority having jurisdiction (AHJ).

Lesson: Loss Control

Objectives

After completing this lesson, the student shall be able to perform loss control operations following the policies and procedures set forth by the authority having jurisdiction (AHJ).

Lesson: Protecting Fire Scene Evidence

Objectives

After completing this lesson, the student shall be able to identify indicators of an incendiary fire and protect and preserve evidence after a fire following the policies and procedures set forth by the authority having jurisdiction.

Lesson: Fire Department Communications

Objectives

After completing this lesson, the student shall be able to communicate effectively by radio and telephone following the policies and procedures set forth by the authority having jurisdiction (AHJ).

Lesson: Fire Prevention and Public Education

Objectives

After completing this lesson, the student shall be able to give fire prevention and public education presentations following the policies and procedures set forth by the authority having jurisdiction (AHJ).

Computing Your Grade

30% of your grade is based on what we consider “work habits” (employability skills). *The following is a list of the Employability, skills that you will be graded on daily in the classroom and laboratory:*

- 1. Communication*
- 2. Use of time*
- 3. Cooperation*
- 4. Follow instruction*
- 5. Work independent*
- 6. Care of work place*
- 7. Safety*
- 8. Appearance*
- 9. Problem-solving*
- 10. Bring materials*

50% of your grade is based on (related instruction) which may include projects, tests, quizzes, worksheets, and/or laboratory experience.

20% of your grade is based on (competencies) which involve various tasks that are relevant to the role of an early childhood teacher (hands-on assignments).

Grading Scale:

90-100=A

80-90= B

70-79= C

60-69= D

60 below= F

30% of your grade is based on what we consider “work habits” (employability skills). The following is a list of the Employability, skills that you will be graded on daily in the classroom and laboratory:

1. Communication

2. Use of time

3. Cooperation

4. Follow instruction

5. Work independent

6. Care of work place

7. Safety

8. Appearance

9. Problem-solving

10. Bring materials

50% of your grade is based on (related instruction) which may include projects, tests, quizzes, worksheets, and/or laboratory experience.

20% of your grade is based on (competencies) which involve various tasks that are relevant to the role of an early childhood teacher (hands-on assignments).

Grading Scale:

90-100=A

80-90= B

70-79= C

60-69= D

60 below= F

Objectives

After completing this lesson, every member of a team is instructed how to survive the worst event on the fireground using self-rescue techniques.

30% of your grade is based on what we consider “work habits” (employability skills). The following is a list of the Employability, skills that you will be graded on daily in the classroom and laboratory:

1. Communication

2. Use of time

3. Cooperation

4. Follow instruction

5. Work independent

6. Care of work place

7. Safety

8. Appearance

9. Problem-solving

10. Bring materials

50% of your grade is based on (related instruction) which may include projects, tests, and quizzes.

20% of your grade is based on (competencies) which involve various physical tasks that are relevant to the Firefighter I and II certifications.

Grading Scale:

90-100=A

80-90= B

70-79= C

60-69= D

60 below= F