



Course Outline

2026-2027 Catalog

FSC 107 - Firefighter II Academy

Catalog Description

Transfer Status: NT

Corequisite: FSC 105, FSC 106

Unit(s): 1.50

Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)

Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)

Total: 42.50 Contact hours/34.00 Out of class hours/76.50 Total hours/1.50 Unit(s)

Course Description: This course provides the skills and knowledge needed for the firefighter to take on increased leadership roles and responsibilities pertaining to fire department communications, fire ground operations, rescue operations, and fire and life safety initiatives, preparedness, and maintenance. Graded only.

Objectives

Upon successful completion of this course, the student should be able to:

1. Demonstrate the knowledge, skills, and abilities required to meet the California State Fire Marshal IFSAC/PROBOARD Certification for Firefighter II.

Course Content

Topic Titles / Suggested Time Topic

Lecture

<u>Topics</u>	<u>Lec Hrs</u>
Orientation and administration.	0.50
Firefighter II Certification process.	0.50
Firefighter roles and responsibilities.	1.00
ICS-200, completing a basic incident report.	1.00
Fire department communications, communicate the need for team assistance.	0.50
Foam operations: principals behind extinguishing an ignitable liquid fire.	1.00
Fire Control 4: principals to control a flammable gas cylinder fire.	1.50
Above and Below ground operations/fire streams: coordinating an interior fire attack methods.	1.50
Fire Origin and cause determination: methods utilized to protect evidence of fire cause and origin.	1.50
How to extricate a trapped victim from a motor vehicle.	1.50
Rapid intervention crew: how to assist in rescue operation for trapped firefighters.	1.50
How to prepare a fire safety survey, a fire preincident preplan survey, and present fire safety information.	1.50
How to maintain power plants, power tools, and lighting equipment.	1.00
How to perform hose testing for various sizes of fire hose.	1.00
Firefighter II IFSAC/PROBOARD written exam and remediation testing.	1.50
Total Hours:	17.00

Lab

<u>Topics</u>	<u>Lab Hrs</u>
ICS-200: completing a basic incident report.	0.50
Use fire department radios to communicate the need for team assistance.	0.50
Extinguish an ignitable liquid fire utilizing foam extinguishing agent.	3.00
Controlling a flammable gas cylinder fire.	3.00
Coordinating an interior fire attack using hose line and fire streams.	4.50
Protecting evidence of fire cause and origin using proven techniques.	0.50
Extricating a trapped victim from a motor vehicle.	4.00
Performing a fire safety survey. Presenting fire safety information to an audience. Preparing a preincident survey.	3.00
Demonstrate how to maintain power plants, power tools, and lighting equipment.	1.00
Perform an annual fire service test on fire hose.	1.00
Manipulative skills IFSAC/PROBOARD testing.	4.50
Total Hours:	25.50

Methods of Instruction

- A. Class Activities
- B. Field Trips
- C. Group Discussions
- D. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
- E. Instructor Demonstrations
- F. Laboratory Experiments
- G. Lecture

Methods of Evaluation

- A. Exams/Tests
- B. Oral Presentation
- C. Projects
- D. Homework
- E. Class participation
- F. Final Examination

Examples of Assignments

Reading Assignments

1. Read all chapters in your book related to SFM curriculum and be prepared to discuss related case studies in class.
2. Familiarize yourself with the content of the US Department of Transportation Emergency Response Guidebook, and be prepared to identify appropriate responses to scenario-based questions.

Writing Assignments

1. Prepare a 2-page Pre Fire Plan and submit to your instructor when completed.
2. Prepare a 2-page Pre Fire Survey and submit to your instructor when completed.

Out-of-Class Assignments

1. Complete a Fire Safety Survey in a currently occupied business.
2. Prepare a Preincident Pre-Plan Survey on a currently occupied business.

Recommended Materials of Instruction

Jones and Bartlett. (2019). Fundamentals of Fire Fighter Skills and Hazardous Materials Response. *Jones and Bartlett Learning, 4th*. 978-1-284-15133-6.

US Department of Transportation. (2020). Department of Transportation Emergency Response Guidebook. *J.J. Keller and Associates, 2020*. 978-1-68008-073-5.

Noll, Gregory G., Hildebrand, Michael S. (2004). Pipeline Emergencies. *Red Hat Publishing Company, 2nd*. 978-1932235081.

Other Learning Materials

Fundamentals of Fire Fighter Skills and Hazardous Materials Response Workbook, 4th edition
Jones and Bartlett

Minimum Qualifications

Fire Technology

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