

# BASICS OF FIRE FIGHTING CERTIFICATE

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12 Semester Credit Hours; Curriculum: 0183

This certificate program is designed to prepare students for entry into the fire service. This program will give the student a good look at what the fire service is all about and an in-depth understanding of basic fire fighting fundamentals and principles.

Code	Title	Hours
<b>Courses for a Certificate</b>		
FIR 101	Introduction To Fire Science	3
FIR 121	Fire Fighting Tactics I	3
FIR 131	Hazardous Materials - First Responder	3
FIR 205	Building Construction	3
<b>Total Hours</b>		<b>12</b>

## Program Learning Outcomes

1. Discuss the history, scope, purpose, and organizational structure of the fire service.
2. Identify the primary responsibilities of personnel in the varied roles in the fire service.
3. Discuss and explain the process of conducting a complete incident size-up and performing accurate risk analysis at various emergencies incidents.
4. Discuss and explain fire behavior as it pertains to fire ignition, growth and development.
5. Analyze strategy and tactical operations of emergency incidents, discuss decision-making and incident outcomes.
6. Evaluate after action reports (AAR) to revise strategic and tactical objectives. Analyze the corrective actions (lessons learned).
7. Discuss the impact of management, emergency operations and work force objectives as they apply to incidents.
8. Identify and explain the 16 life safety initiatives as identified in the FESHE Associate Core Curriculum.
9. Define and describe the need for cultural and behavioral change within emergency services as they relate to safety, leadership, supervision, accountability, and personal responsibility.
10. Explain emergency operations as it pertains to leadership and safety.
11. Describe the impact of the types of building construction as it relates to fire behavior.
12. Demonstrate the utilization of guidebooks, SDS, and other reference materials to determine an initial course of action for an incident involving hazardous materials.