

# FIRE TECHNOLOGY (FIRE)

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## **FIRE-1100 Principles of Emergency Services**

### **3 Credits**

Provides an overview to fire protection including history, organization of services, local and state laws in addition to nomenclature, chemistry and physics of fire protection systems, strategy and tactics.

*Lecture: 3 hours*

*Prerequisite(s): Departmental approval: Admission to or completion of accredited Fire Academy.*

*OAN Approved: Transfer Assurance Guide OFS004 and Career Technical Assurance Guide CTFF002 (1 of 3 courses, all must be taken) and CTFF003 (1 of 5 courses, all must be taken).*

## **FIRE-1200 Principles of Fire and Emergency Services Safety and Survival**

### **2 Credits**

Introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services.

*Lecture: 2 hours*

*Prerequisite(s): Departmental approval: Admission to or completion of accredited Fire Academy.*

*OAN Approved: Transfer Assurance Guide OFS006 and Career Technical Assurance Guide CTFF002 (2 of 3 courses, all must be taken) and CTFF003 (2 of 5 courses, all must be taken).*

## **FIRE-1500 Fire Behavior and Combustion**

### **2 Credits**

Explores the theories and fundamentals of how and why fires start, spread, and how they are controlled.

*Lecture: 2 hours*

*Prerequisite(s): Departmental approval: Admission to or completion of Fire Academy.*

*OAN Approved: Transfer Assurance Guide OFS003 and Career Technical Assurance Guide CTFF002 (3 of 3 courses, all must be taken) and CTFF003 (3 of 5 courses, all must be taken).*

## **FIRE-2321 Fire Protection Systems**

### **2 Credits**

Provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers.

*Lecture: 2 hours*

*Prerequisite(s): Departmental approval: Admission to or completion of Fire Academy.*

*OAN Approved: Career Technical Assurance Guide CTFF003 (4 of 5 courses, all must be taken).*

## **FIRE-2830 Cooperative Field Experience**

### **1-3 Credits**

Open to students eligible for the Cooperative Education Program. Employment in an approved training facility under College supervision. Requirement for one credit is 180 hours of approved work. Students may earn up to three credits in one semester. May be repeated for an accrued maximum of nine credits.

*Other Required Hours: 180 clock hours of approved work per credit hour*

*Prerequisite(s): See campus COOP Advisor for the Cooperative Education Program application*