

# Chattahoochee Technical College

## Fire Science Program

2010 WINTER CLASSES STARTS JANUARY 4TH, 2009

**EDUCATION- TECHNOLOGY- LEADERSHIP- TRADITION**

### ***Fire Science Classes offered Winter Quarter***

#### **FSC 241 Incident Command CRN 30133**

***Marietta Campus Tues. or Thur. 8-10 AM (McKay)***

#### **FSC 110 Supervision and Leadership CRN 30330**

***Marietta Campus Tues. or Thur. 10:15 AM—12:20 PM (McKay)***

#### **FSC 210 Fire Science Hydraulics CRN 30130**

***Woodstock Fire Station 14 Tue. Or Thur. 5-7 PM (Eley)***

#### **FSC 151 Fire Prevention and Inspection CRN 30132**

***Online (Westbrook)***

#### **FSC 161 Fire Service Safety and Loss CRN 30333**

***Online (Baird)***

#### **FSC 101 Intro to Fire Science CRN 30131**

***Tue. and Thur. 1-3 PM (McKay)***

#### **FSC 110 Supervision and Leadership**

This course provides the necessary knowledge and skills for an emergency responder to become a successful fire officer. The student will learn how to become a responsible leader and supervisor to a crew of firefighters, how to manage a budget for the fire station, understand standard operating procedures, and be able to manage an incident. Also, an understanding of basic fire prevention methods, fire and building codes, and record's systems will be covered throughout the course.

#### **FSC 151 Fire Prevention and Inspection**

Emphasis is placed on the shared responsibility of all fire service personnel to prevent fires and fire losses by survey of fire prevention activities, conducting basic fire prevention inspections, practicing life safety codes, review of local and state laws regarding fire inspection, and review of applicable codes and standards. Topics include: code administration, inspection, use and occupancy, building limitations and types of construction, fire resistive construction elements, installation of fire protection systems, mean of egress, interior finish requirements, general fire safety provisions, maintenance of fire protection systems, means of egress maintenance for occupancies, hazardous materials, flammable liquids and aerosols and using referenced standards.

#### **FSC 241 Incident Command**

This course provides emergency responder personnel with the information to respond safely, limit possible exposure to all personnel, and to provide information to the proper authorities as being a primary goal while reacting in the defensive mode of operation. The first responder operations level responsibilities are recognition and identification of a hazardous material scene, the gathering of information, the notification of the proper authorities, the isolation of the area by setting perimeters/zones, possible evacuation, protection by initiating the incident management system, emergency decontamination, and performing defensive actions only.

#### **FSC 161 Fire Service Safety and Loss Control**

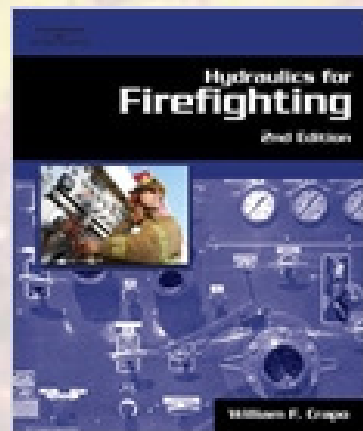
This course will provide the necessary knowledge and skills for the emergency responder to understand occupational safety and health and be able to develop safety programs. The course starts with an introduction to occupational safety and health and covers the history, national agencies that produce injury and fatality reports. The course will review safety related regulations and standards and discuss how to implement them through risk management processes.

#### **FSC 210 Fire Science Hydraulics**

This course begins with the history and theories of the use of water for fire extinguishment then moves to practical application of the principles of hydraulics in water systems and on the fire ground. Topics include: water at rest and in motion, velocity and discharge, water distribution systems, fire service pumps, friction loss, engine and nozzle pressures, fire streams, standpipe systems& automatic sprinkler systems,



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**Patrick McKay**

Fire Science Instructor  
980 South Cobb Drive  
Marietta, GA  
(Office)770-528-4532  
(Fax)770-528-6467  
Building F Room 2131

[pmckay@chattahoocheetech.edu](mailto:pmckay@chattahoocheetech.edu)