

Fire Science Technology

Higher Education Center at Otay Mesa

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General Description

Today, fire service personnel are faced with a diverse and complex environment. Fire fighters must possess sufficient knowledge and skills to deal effectively with the fire protection problem, emergency medical care response, and hazardous materials. The study of fire science includes the philosophy, history, chemistry, physics, laws, terminology, technology and detection, and prevention of fires.

Career Options

Below is a sample of the career options available to the fire science major. Most require a certificate of achievement or an associate in science degree and graduation from a fire academy. Positions are available in state and federal agencies and private industry. Careers in fire protection include public fire service, fire protection and engineering, and education. Openings occur each year in fire service and related fields for men and women who possess the proper education and qualifications.

Degree/Certificate Options

Associate in Science Degree: Career/Technical

Fire Science Technology

Major Code

02845

Certificate of Achievement

Fire Science Technology

02846

Consult with a counselor to develop a Student Education Plan (SEP), which lists the courses necessary to achieve your academic goal.

ASSOCIATE IN SCIENCE DEGREE

Fire Science Technology

Career/Technical (Major Code: 02845)

Provides training in the theory and practice of fire technology, the fire service, and the fire protection field. It is designed to enhance qualifications for entry into the fire service, for preparation for entry-level hiring examinations, and for current firefighters wishing to complete a degree in fire technology.

FS 101	Fire Protection Organization	3
FS 102	Fire Behavior and Combustion	3
FS 103	Fire Prevention Technology	3
FS 104	Fire Protection Equipment and Systems	3
FS 106	Building Construction for Fire Protection	3
Complete 20 units from electives		20
Total units		35

Electives: EMT 109, 101, 112, 112L, FS 10, 12, 20, 40, 108, 110, 125, 126, 137, 140, 141, 144, 145, 150, 151, 290–293.

To earn an associate degree, additional general education and graduation requirements must be completed. See page 49.

CERTIFICATE

Fire Science Technology

Certificate of Achievement

Career/Technical (Major Code: 02846)

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Some courses within this program may require additional coursework that must be completed prior to enrollment in those courses. Please consult the individual course listings for prerequisites and any other limitations on enrollment.