Fire Technology Department

DEGREES

Fire Technology (AS)

CERTIFICATE OF ACHIEVEMENT

Fire Technology

COURSES:

FIRE (FIRE)

CONTACT INFORMATION:

School of Applied Technology and Business

Building: 500 Room 509
Phone Number: (707) 864-7229
Fax Number: (707) 864-7190

Dean: Lisa Neeley

Administrative Assistant: Jill Crompton

Faculty Contact: Brian Preciado

P.A.C.E. - HEALTH AND HUMAN SERVICES- A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...
- ...desires to inform, enlighte, help, teach, counsel, or cure people?
- ...enjoys using your skills to serve people?
- ...Likes to work hands-on with objects, machines, and tools and/or use your physical or athletic abilities?

...is interested in working in a medical environment?

P.A.C.E. - INDUSTRIAL AND APPLIED TECHNOLOGY - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...
- ...desires to work hands-on with objects, machines, tools, plants, or animals?
- ...enjoys work and play outside, including use your physical or athletic abilities?
- ...likes to follow directions to organize, plan and complete a project or task?
- ...is interested in attaining employment as soon as possible?

Fire Technology

Fire Technology
Certificate of Achievement and Associate in Science

Program Description

This program was established under direction of Solano County fire protection agencies and offers both an intensive training course culminating in a Certificate of Achievement and a well-rounded educational program leading to the Associate in Science Degree. Instructors in this program are experienced members of the fire service field. In addition, a Fire Technology Academy for recently recruited fire service personnel and pre-service students is conducted periodically. The curriculum consists of courses selected from the regular fire technology course offerings.

The Certificate of Achievement can be obtained upon completion of the 30-45-unit major. The Associate in Science can be obtained upon completion of the major, General Education, and electives as needed to complete a minimum of 60 units. All courses in the major must be completed with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

Students who complete the Fire Technology Certificate of Achievement/Associate in Science will be able to:

1. Demonstrate the ability to analyze, appraise and evaluate fire and emergency incidents and identify components of emergency management and fire fighter safety.

2. Identify and comprehend laws, regulations, codes and standards that influence fire department operations, and identify regulatory and advisory organizations that create and mandate them, especially in the areas of fire prevention, building codes and ordinances, and firefighter health and safety.

3. Analyze the causes of fire; determine extinguishing agents and methods; differentiate the stages of the fire and fire development; and compare methods of heat transfer.

4. Identify and describe common types of building construction and conditions associated with structural collapse and fire fighter safety.

REQUIRED COURSES ....**Units**
FIRE 050 Principles of Emergency Services 3
FIRE 051 Fire Behavior & Combustion............................ 3
FIRE 053 Fire Prevention Application 3
FIRE 054 Fire Protection Systems 3
FIRE 056 Building Construction as it Relates to
    the Fire Service 3
FIRE 101 Principles of Fire and Emergency Services
    Safety and Survival... 3
12-27 units from Recommended Electives.............. 12-27
    Required Major Total Units...............................30-45

Recommended Electives: (select 12-27 units) ....**Units**
FIRE 140 Fire Technology Academy 24
EMT 112 Emergency Medical Technician (Basic)............ 7
EMT 128 Emergency Medical Responder........................ 3
OCED 090 Occupational Work Experience 1-8

This is a Gainful Employment Program. For additional information, please visit
http://www.solano.edu/gainful_employment/ and select "Fire Technology."