FIRE TECHNOLOGY

DEGREES, CERTIFICATES AND AWARDS
Associate in Science Degree (A.S.)
Certificate of Achievement

DESCRIPTION

Fire Technology involves the study of fire behavior, protection and control techniques, including the understanding of the environment and ecology systems involved. The Fire Technology program is designed to prepare students for entry-level status in public or private fire protection agencies, to survey career options and opportunities, and to upgrade fire personnel.

PROGRAM LEARNING OUTCOMES

1. Students will be able to apply emergency incident management strategies in relationship to incident command systems in public and private fire protection careers.

2. Students will demonstrate management concepts and practices including decision making, leader styles, personnel evaluations & counseling techniques. Assessment: Exams and reports for FIRE 229

3. Demonstrate knowledge of the different types of non-water based fire suppression systems and how each is used to extinguish fire

ASSOCIATE DEGREE AND CERTIFICATE OF ACHIEVEMENT PROGRAMS

The Associate in Arts (AA) or the Associate in Science (AS) Degree involves satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all IVC district requirements for the associate's degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition students must maintain a minimum grade point average and meet the minimum grade requirements of their program. Detailed information is available in the college catalog.

The Certificate of Achievement program is designed for students with personal or occupational goals who wish early employment. To qualify for the Certificate, a student must satisfy the following requirements: (1) complete all courses listed for a particular certificate.; (2) achieve a "C" average (2.0 GPA) for all courses used to complete the certificate; and, (3) file a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

CAREER OPPORTUNITIES

• City and County Fire Department Personnel
• Forestry Fire Control

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at IVC. Please click on our Programs of Study link to view the information for each certificate program: **http://www.imperial.edu/courses-and-programs/programs-of-study/**

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree at Imperial Valley College may not be the same as those required for completing the major at a transfer institution offering a bachelor's degree. Students who plan to transfer to a four-year college or university should schedule an appointment with an IVC Counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:
www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine

www.CSUMentor.org – CSU System Information

www.universityofcalifornia.edu/admissions /index.html - UC System Information

www.aiccu.edu – California Independent Colleges and Universities, Association of

http://wiche.edu/wue - Western Undergraduate Exchange Programs

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that IVC offers a full array of financial aid programs – grants, work study, scholarships, and fee waivers (we do not participate in the federal loan programs). These programs are available to both full and part time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information: **www.imperial.edu/students/ financial-aid-and-scholarships/**

FIRE TECHNOLOGY

ASSOCIATE DEGREE PROGRAM

FIRE TECHNOLOGY MAJOR – A.S. DEGREE
Thirty-three (33.0) units are required for this major.

The Associate Degree in fire technology is designed to expand skills/knowledge in the areas of building and life safety, fire prevention, and fire protection services for the transition from Firefighter to Fire Officer. Thirty-three (33) units are required for this major. Completion of six (6) core courses recommended prior to commencing 200 courses. Contact the Nursing and Allied Health Division for more specifics.

ALL COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

I.   **Required courses for the major (18.0 units)**

FIRE	100	Fire Protection Organization	3.0
FIRE	101	Fire Prevention Technology	3.0
FIRE	102	Fire Protection Equipment & Systems	3.0
FIRE	103	Building Construction for the Fire Protection	3.0
FIRE	104	Fire Behavior and Combustion	3.0
FIRE	108	Fire & Emergency Services Safety and Survival	3.0

II.   **Select 15.0 units from the following acceptable courses for the major**

AJ	108*	Public Safety Report Writing (3.0)
CIS	101	Introduction to Information Systems (3.0)
FIRE/EMT*105*		Emergency Medical Technician I (7.5)
FIRE	109*	Hazardous Materials 1st Responder (2.0)
FIRE	220**	Fire Apparatus 1A (2.5)
FIRE	221**	Fire Apparatus 1B (2.5)
FIRE	222**	Fire Investigation 1A (2.5)
FIRE	223**	Fire Investigation 1B (2.5)
FIRE	224**	Fire Management 1 (2.5)
FIRE	225**	Fire Prevention 1A (2.5)
FIRE	226**	Fire Prevention 1B (2.5)
FIRE	229**	Fire Command 1A (2.5)
FIRE	230**	Fire Command 1B (2.5)
FIRE	231**	Incident Command System (ICS 300) (1.5)
FIRE	232**	Public Education 1 (2.5)
FIRE	233**	Fire Command 1C (2.5)
FIRE	234**	Fire Prevention 1C (2.5)
FIRE	240**	Training Instructor 1A (1.5)
FIRE	241**	Training Instructor 1B (1.5)
FIRE	242**	Training Instructor 1C (1.5)
FIRE	245**	Fire Instructor 2A (2.5)

*   *Recommended – AJ 108, FIRE/EMT 105, and FIRE 109*
**   *FOR FIRE 220 – 245: Core courses required. Fire Fighter II and/or experience requirement as mandated by State Fire Training Course Information and Required Materials Manual, California Department of Forestry and Fire Protection, May 2008.*

Total Major Units	33.0
IVC Graduation Requirements and GE Pattern:	30.0
Electives (as needed to reach 60 degree applicable units)	
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Total Maximum Units:	**63.0**

FIRE TECHNOLOGY

CERTIFICATE PROGRAM

FIRE TECHNOLOGY CERTIFICATE
Thirty-three (33.0) units are required for this certificate.

This certificate is designed to expand skills/knowledge in the areas of building and life safety, fire prevention, and fire protection services and for the transition from Firefighter to Fire Officer. Thirty-three (33) units are required for this certificate. Completion of six (6) core courses is recommended prior to commencing 200 courses. Contact the Nursing and Allied Health Division for more specifics.

ALL COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

I.   Required courses for the certificate (18.0 units)

FIRE	100	Fire Protection Organization	3.0
FIRE	101	Fire Prevention Technology	3.0
FIRE	102	Fire Protection Equipment & Systems	3.0
FIRE	103	Building Construction for the Fire Protection	3.0
FIRE	104	Fire Behavior and Combustion	3.0
FIRE	108	Fire & Emergency Services Safety and Survival	3.0

II.   Select 15.0 units from the following acceptable courses for the certificate

AJ	108*	Public Safety Report Writing	3.0
CIS	101	Introduction to Information Systems	3.0
FIRE/EMT*105*		Emergency Medical Technician I	7.5
FIRE	109*	Hazardous Materials 1st Responder	2.0
FIRE	220**	Fire Apparatus 1A	2.5
FIRE	221**	Fire Apparatus 1B	2.5
FIRE	222**	Fire Investigation 1A	2.5
FIRE	223**	Fire Investigation 1B	2.5
FIRE	224**	Fire Management 1	2.5
FIRE	225**	Fire Prevention 1A	2.5
FIRE	226**	Fire Prevention 1B	2.5
FIRE	229**	Fire Command 1A	2.5
FIRE	230**	Fire Command 1B	2.5
FIRE	231**	Incident Command System (ICS 300)	1.5
FIRE	232**	Public Education 1	2.5
FIRE	233**	Fire Command 1C	2.5
FIRE	234**	Fire Prevention 1C	2.5
FIRE	240**	Training Instructor 1A	1.5
FIRE	241**	Training Instructor 1B	1.5
FIRE	242**	Training Instructor 1C	1.5
FIRE	245**	Fire Instructor 2A	2.5

*   Recommended – AJ 108, FIRE/EMT 105, and FIRE 109
**   FOR FIRE 220 – 245: Core courses required. Fire Fighter II and/or experience requirement as mandated by State Fire Training Course Information and Required Materials Manual, California Department of Forestry and Fire Protection, May 2008.

Total Certificate Units	33.0
Total Maximum Units:	**33.0**

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