

**IMPERIAL VALLEY COLLEGE DISTRICT
REVIEW OF CAREER TECHNICAL EDUCATION TRAINING PROGRAMS
2013**

FIREFIGHTER I

I. Program Description

Successful completion of the Firefighter I Certificate (Fire Academy) will meet the educational requirements for a California State Fire Marshall Firefighter I Certificate. Upon completion of the certificate program, the candidate is required to be affiliated with a fire agency for one year of part-time/volunteer or 6 month of full-time work experience as a firefighter meet the requirements of work experience. The candidate's work experience must be verified by the agency's Fire Chief with a written letter to the California State Fire Marshall.

The Firefighter I certificate program is also known as the Fire Academy. The Academy is a two-semester program that results in a State Fire Training (SFT) certification and the ability to practice in a variety of settings. The Academy is the basis for advancement as a Firefighter II, Engineer, Captain, and Chief through the Associate of Science Degree in Fire Technology.

The Academy promotes the following Institutional Priorities:

Priority 1: Student Success: Students' success and core indicators are positive.

Priority 2: Academic Excellence: The program requires academic excellence in order to be admitted and to progress within the program.

Priority 3: Relevant, High Quality Programs. The Fire Academy Program maintains high standards and the Fire Academy professional is highly relevant with the ever-changing Fire Industry needs of the population.

A. Certificate - Certificated of Achievement, Firefighter I

II. Career Opportunities

- Firefighter – all entry level roles

III. Industry Certification/Accreditation (to be completed by faculty)

The Academy achieved full state accreditation in Spring 2013.

IV. Industry Recognized Credentials (IRC) (to be completed by faculty)

- Certification from the Office of State Fire Marshall and State Fire Training based on the skills and exams completed.

V. Labor Market Demand

The Firefighter program at Imperial Valley College meets a documented labor market demand. Employment trends for this field are derived from a variety of sources. These are listed below:

A. Employment Trends (Employment Development Department):

Occupation	TOP Code	SOC Code	2008	Average Job Openings per Year
Fire Fighters	2133.00	332011	150	7*

*Same data as 2012. No updates from State Employment Development
Occupational Employment Projections 2008-2018
Imperial County

<http://www.labormarketinfo.edd.ca.gov/CommColleges/>

B. Employment Trends (Faculty Assessment):

During the past eight (8) years a minimum of 62 graduates, of the IVC Fire Academy, have been employed in a local fire department. The labor market data does not appear indicative of the employment numbers tracked by the Academy Coordinator.

VI. Other Regional Programs

There are no other similar training programs in Imperial County and there are no fire departments hosting fire academies off campus. IVC Academy instructors work collaboratively with the Imperial Valley Regional Opportunity Program to interest youth in a fire career.

VII. Employment and Completion

(Based on State Core Measures Report, 2011-2012, 2012-2013 & 2013-2014)

Core 2: Completions. Measures completions for Career Technical Education student concentrators. Receipt of a certificate or degree or enrollment in a California four-year public university with or without a degree is considered a completion.

Fiscal Year Planning	Program	Total Completions	IVC Completion Rate	State Avg. Completion Rate
2013-2014	Fire Academy	5/13	38.46%	68.17%
2012-2013	Fire Academy	5/10	50%	63.29%
2011-2012	Fire Academy	5/8	62.50%	73.93%

PERKINS IV Program Performance Trend Report

Core Indicator Two – Total Completions – Certifications, Degrees and Transfer

https://misweb.cccco.edu/perkins/Core_Indicator_Reports/Summ_coreIndi_TOPCode.aspx

Core 3: Persistence and Transfer. The percent of Career Technical Education student concentrators (students who have successfully completed a minimum of 12 units of related Career Technical Education coursework) who persist in education at the community college level or transfer to a two or four-year institution.

Fiscal Year Planning	Program	Persistence	IVC Persistence Rate	State Avg. Persistence Rate
2013-2014	Fire Academy	20/29	68.97%	84.98%
2012-2013	Fire Academy	15/18	83.33%	83.39%
2011-2012	Fire Academy	24/27	88.89%	80.30%

PERKINS IV Program Performance Trend Report
Core Indicator Three – Persistence and Transfer

https://misweb.cccco.edu/perkins/Core_Indicator_Reports/Summ_coreIndi_TOPCode.aspx

Core 4: Student Placement. The percent of Career Technical Education students who have earnings the following year (as found in the unemployment insurance base wage file) or are in an apprenticeship program, or the military.

Fiscal Year Planning	Program	Placements	IVC Placement Rate	State Avg. Placement Rate
2013-2014	Fire Academy	10/10	100%	85.46%
2012-2013	Fire Academy	5/5	100%	86.29%
2011-2012	Fire Academy	4/4	100%	90.47%

PERKINS IV Program Performance Trend Report
Core Indicator Four – Employment

https://misweb.cccco.edu/perkins/Core_Indicator_Reports/Summ_coreIndi_TOPCode.aspx

Pursuant to the FCMAT report, CTE programs are also being evaluated for student demand, certificate and program completion, local labor demand, and a facility utilization for CTE programs in the new CTE building.

VIII. Enrollment Trends

Year	Course	Sections	Avg. Class	CAP	Fill Rate
2012-2013	EMT105	4	39	30	130%
2011-2012	EMT105	4	38.5	25	154%
2010-2011	EMT105	4	38.3	25	153%

Course	Year	Sections	Avg. Class	CAP	Fill Rate
FIRE109	2012-2013	1	17	25	68%
FIRE109	2011-2012	1	24	25	96%
FIRE109	2010-2011	1	23	25	92%

Course	Year	Sections	Avg. Class	CAP	Fill Rate
FIRE121	2012-2013	1	22	24	91.67%
FIRE121	2011-2012	1	23	24	95.83%
FIRE121	2010-2011	1	20	25	80%

Course	Year	Sections	Avg. Class	CAP	Fill Rate
FIRE122	2012-2013	1	20	20	100%
FIRE122	2011-2012	1	22	22	100%
FIRE122	2010-2011	1	28	20	140%

Course	Year	Sections	Avg. Class	CAP	Fill Rate
FIRE130	2012-2013	1	22	20	110%
FIRE130	2011-2012	1	21	20	105%
FIRE130	2010-2011	1	27	20	135%

Course	Year	Sections	Avg. Class	CAP	Fill Rate
FIRE131	2012-2013	1	20	20	100%
FIRE131	2011-2012	1	16	20	80%
FIRE131	2010-2011	1	25	25	100%

IX. Completions

	2012-2013		2011-2012		2010-2010	
	Degree	Certificate	Degree	Certificate	Degree	Certificate
Firefighter I	N/A	7	N/A	0	N/A	1

X. FTES/FTEF Analysis

Year	FTES	FTEF	FTES/FTEF
2012-2013	189.39	10.38	18.25
2011-2012	173.53	10.15	17.10
2010-2011	185.59	8.87	20.92

XI. Facility Utilization Plan (to be completed by faculty)

The Academy will be moving into a new building in Spring/Summer 2014 – less than six months. The Academy instructors are in the process of determining additional equipment needs for the new teaching facility. In addition, the existing burn training trailer will be relocated to the IVC campus.

XII. SWOT Analysis (to be completed by faculty)

Strengths • Strong commitment from Advisory Committee, comprised primarily of local Fire Chiefs and Fire Captains • New facility opening in 2014, which will have smart classroom and opportunities to work with the EMS and AJ disciplines	Weaknesses • No full-time faculty members despite multiple unique fire courses • Coordination of the Academy is done in a collaborative and volunteer manner. • The lack of GE on-line course is prohibitive to working fire fighters • Need for additional wildland resources and equipment
Opportunities • To create internship experiences with local agencies and/or farmers • To increase completions (certificates & degrees) through increased involvement of counseling and ongoing encouragement of faculty • To re-align the Academy certificate and consider a degree for Firefighter I	Threats • Part-time program due to lack of full-time faculty • Lack of funding to expand if needed • Limited applicant pool

XIII. Program Evaluation (to be completed by EWD office)

XIV. Recommendation (to be completed by EWD office)