

IMPERIAL COMMUNITY COLLEGE DISTRICT
REVIEW OF CAREER TECHNICAL EDUCATION TRAINING PROGRAMS
2016

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.

A. Degree
None.

B. Certificate
Certificated of Achievement, Firefighter I

II. Career Opportunities
Firefighters

III. Industry Certification/Accreditation
California State Fire Marshal/State Board of Fire Services accredited the FIRE programs.

IV. Industry Recognized Credentials (IRC)
As noted above, completing this program provides for all the educational requirements for the California State Fire Marshall Firefighter I Certificate.

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.

A. Employment Trends

Occupation	TOP Code	SOC Code	2012	Average Job Openings per Year
Fire Fighters	2133.00	332011	190	6*

*State Employment Development
Occupational Employment Projections 20012-2022
Imperial County
<http://www.labormarketinfo.edd.ca.gov/CommColleges/>

B. Employment Trends Assessment

An estimated 75% of all completing students are employed by an Imperial County fire department. Although only 6 openings are listed in the LMI data, more than 6 students are placed every year as some of the students are volunteering at a fire department while in school.

VI. Other Regional Programs

There are no other similar training programs in Imperial Valley. IVROP does offer a lower level introductory-type of course

VII. Employment and Completion

(Based on State Core Measures Report, 2012-2013, 2013-2014 & 2014-2015)

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
2014-2015	Fire Technology	12/13	92.31%	80.11%
2013-2014	Fire Technology	7/9	77.78%	77.87%
2012-2013	Fire Technology	8/9	88.89%	76.14%

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 Resistance Rate	State Avg. Completion Rate
2014-2015	Fire Technology	18/20	90%	87.43%
2013-2014	Fire Technology	19/22	86.36%	87.61%
2012-2013	Fire Technology	26/27	96.30%	87.69%

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. Completion Rate
2014-2015	Fire Technology	5/5	100%	74.97%
2013-2014	Fire Technology	5/5	100%	85.80%
2012-2013	Fire Technology	4/4	100%	85.05%

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

Course	Year	Sections	Avg. Class	Fill Rate
EMT105	2014-2015	5	35	116%
EMT105	2013-2014	5	35	118.37%
EMT105	2012-2013	4	39	130%

Course	Year	Sections	Avg. Class	Fill Rate
FIRE109	2014-2015	1	20	100%
FIRE109	2013-2014	1	23	115%
FIRE109	2012-2013	1	17	68%

Course	Year	Sections	Avg. Class	Fill Rate
FIRE117	2014-2015	1	22	88.00%
FIRE117	2013-2014	1	24	80%
FIRE117	2012-2013	1	22	73.33%

Course	Year	Sections	Avg. Class	Fill Rate
FIRE121	2014-2015	1	20	100.00%
FIRE121	2013-2014	1	16	80.00%
FIRE121	2012-2013	1	22	91.67%

Course	Year	Sections	Avg. Class	Fill Rate
FIRE122	2014-2015	1	22	88%
FIRE122	2013-2014	1	22	110%
FIRE122	2012-2013	1	20	100%

Course	Year	Sections	Avg. Class	Fill Rate
FIRE130	2014-2015	1	19	76%
FIRE130	2013-2014	1	22	110%
FIRE130	2012-2013	1	22	110%

Course	Year	Sections	Avg. Class	Fill Rate
FIRE131	2014-2015	1	16	64%
FIRE131	2013-2014	1	21	105%
FIRE131	2012-2013	1	20	100%

IX. Completions

	2014-2015		2013-2014		2012-2013	
	Degrees	Certificates	Degrees	Certificates	Degrees	Certificates
Firefighter I	N/A	5	N/A	4	N/A	7

X. FTES/FTEF Analysis

Year	FTES	FTEF	FTES/FTEF
2014-2015	232.5	13.93	16.69
2013-2014	199.2	11.39	17.49
2012-2013	189.39	10.38	18.25

Every Fire Fighter I (Academy) has high ratio due to the safety requirements and the state testing requirements.

XI. Facility Utilization Plan

The new CTE buildings on the IVC campus have helped to bring the Fire Academy on campus, but there are issues with classroom scheduling overlaps due to limited classroom space. This will only worsen when a POST Level 1 is on campus

Since the 'burn trailer' has now been placed outside of the 3200 building, there are safety and security concerns due to the lack of a fence or other method for securing the expensive equipment and the projected lack of security on campus between 10 pm and 7 am.

There are concerns with non-public safety and non-CTE events being held in 3200 with prior planning and arrangements with the public safety faculty to ensure equipment and supplies are secured safely.

XII. SWOT Analysis

<p>Strengths The support of the Fire Depts throughout the county is the #1 strength. The local agencies have helped with classroom and field space as needed. Another strength is the accreditation of the program as a Regional Provider.</p>	<p>Weaknesses Converting funding for equipment and supplies to 'lottery' items when state lottery funds are obtained severely handicaps the ability to purchase the needed safety and training equipment that often costs much more than the \$500 limit associated with lottery funds.</p>
<p>Opportunities While we have finally secured funding for a part-time program coordinator, there remains a need for full-time faculty to offer the program as more than an evening and weekend program. Eventually one that can assume the coordination role for all fire courses.</p>	<p>Threats The perception of the Fire Academy as a small program caused by the self-imposed lower headcounts. The lower numbers are self-imposed based on local labor market requests and due to limited number of faculty.</p>

XIII. Program Evaluation

The firefighter program has strong performance numbers across all targets, including Perkins, fill rates, and efficiency.

XIV. Recommendations

It is recommended that the firefighter program continue at Imperial Valley College without mitigation.