

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

**WELDING TECHNOLOGY**

**I. Program Description**

The practice of joining metals by welding is becoming more of a science every day. Imperial Valley College recognizes this and consequently has instituted a two-year Associate Degree program in Welding Technology. This program is designed to train technicians by giving the student ample laboratory welding practice along with related theory, plus a firm background in associated subjects such as mechanics and metal-fabricating techniques.

A. Degree  
Associate in Science, Welding Technology

B. Certificate  
Certificated of Achievement, Welding Technology

**II. Career Opportunities**

Welders, Cutters, Solderers, and Brazers

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

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

**V. Labor Market Demand**

The Welding Technology 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
Welders, Cutters, Solderers, and Brazers	0956.50	514121	140	4*

\*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):

**VI. Other Regional Programs**

There are no other similar training programs in Imperial Valley.

## 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	Welding Technology	8/18	44.44%	50.10%
2012-2013	Welding Technology	17/39	43.59%	50.34%
2011-2012	Welding Technology	14/28	50%	48.01%

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](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	Welding Technology	33/50	66%	78.90%
2012-2013	Welding Technology	57/85	67.06%	79.14%
2011-2012	Welding Technology	39/58	67.24%	74.82%

PERKINS IV Program Performance Trend Report  
 Core Indicator Three – Persistence and Transfer  
[https://misweb.cccco.edu/perkins/Core\\_Indicator\\_Reports/Summ\\_coreIndi\\_TOPCode.aspx](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	Welding Technology	18/19	94.74%	71.29%
2012-2013	Welding Technology	34/34	100%	67.80%
2011-2012	Welding Technology	26/26	100%	62.27%

PERKINS IV Program Performance Trend Report  
 Core Indicator Four – Employment  
[https://misweb.cccco.edu/perkins/Core\\_Indicator\\_Reports/Summ\\_coreIndi\\_TOPCode.aspx](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	CAP	Fill Rate
WELD100	2012-2013	4	17	18	94.44%
WELD100	2011-2012	3	19.6	18	109.26%
WELD100	2010-2011	4	18.3	18	101.39%

Course	Year	Sections	Avg. Class	CAP	Fill Rate
WELD101	2012-2013	1	16	18	88.89%
WELD101	2011-2012	2	18	18	100%
WELD101	2010-2011	1	19	18	105.56%

Course	Year	Sections	Avg. Class	CAP	Fill Rate
WELD102	2012-2013	1	11	18	61.11%
WELD102	2011-2012	1	14	18	77.78%
WELD102	2010-2011	2	17.5	18	97.22%

Course	Year	Sections	Avg. Class	CAP	Fill Rate
WELD103	2012-2013	1	22	18	122.22%
WELD103	2011-2012	1	18	18	100%
WELD103	2010-2011	1	14	18	77.78%

Course	Year	Sections	Avg. Class	CAP	Fill Rate
WELD104	2012-2013	1	18	18	100.0%
WELD104	2011-2012	2	14.5	18	80.56%
WELD104	2010-2011	1	24	18	133.33%

Course	Year	Sections	Avg. Class	CAP	Fill Rate
WELD105	2012-2013	2	13.5	18	75%
WELD105	2011-2012	1	17	18	94.44%
WELD105	2010-2011	1	19	18	105.56%

#### IX. Completions

	2012-2013		2011-2012		2010-2011	
	Degrees	Certificates	Degrees	Certificates	Degrees	Certificates
Welding Technology	3	5	0	7	0	7

#### X. FTES/FTEF Analysis

Year	FTES	FTEF	FTES/FTEF
2012-2013	41.36	4.93	8.39
2011-2012	42.52	4.73	8.99
2010-2011	48.95	5.13	9.54

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

#### XII. SWOT Analysis (to be completed by faculty)

<b>Strengths</b>	<b>Weaknesses</b>
<b>Opportunities</b>	<b>Threats</b>

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

**XIV. Recommendation** (to be completed by EWD office)