IMPERIAL COMMUNITY COLLEGE DISTRICT

REVIEW OF CAREER TECHNICAL EDUCATION TRAINING PROGRAMS
2016

ENERGY EFFICIENCY TECHNOLOGY

I. Program Description

The Energy Efficiency Technology Associate in Science Degree and Certificate are designed to provide instruction in manipulative skills, technical knowledge, and technical information from the Building Performance Institute, which will prepare the student for employment in energy efficiency, home performance and energy auditing with emphasis in green building retrofits, The course work for the associate degree also emphasizes subject areas that are significant to the construction worker such as building sciences, environmental sciences, and the development of analytical and communication skills through the general education requirements.

A. Degree

Associate in Science, Energy Efficiency Technology

B. Certificate

Certificated of Achievement, Energy Efficiency Technology

II. Career Opportunities

First-Line Supervisors/Managers of Construction Trades and Extraction Workers

III. Industry Certification/Accreditation

IV. Industry Recognized Credentials (IRC)

V. Labor Market Demand

The Energy Efficiency 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

Occupation	TOP Code	SOC Code	2012	Average Job Openings per Year
First-Line Sup/Mgrs of Construction Trades and Extraction Workers	0952.00	471011	160	6
Civil Engineering Technicians	0952.00	173022	70	1
		Total	230	7*

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

B. Employment Trends 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, 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	Construction Crafts Technology	7/7	100%	47.77%
2013-2014	Construction Crafts Technology	29/29	100%	71.34%
2012-2013	Construction Crafts Technology	0	0	58.83%

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
2014-2015	Construction Crafts Technology	9/10	90%	75.21%
2013-2014	Construction Crafts Technology	17/28	60.71%	77.79%
2012-2013	Construction Crafts Technology	1/1	100%	80.80%

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
2014-2015	Construction Crafts Technology	6/8	75%	65.68%
2013-2014	Construction Crafts Technology	29/29	100%	67.52%
2012-2013	Construction Crafts Technology	0	0	69.28%

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
BLDC101	2014-2015	2	35	98.57%
BLDC101	2013-2014	2	30	85.71%
BLDC101	2012-2013	3	20	92.31%

Course	Year	Sections	Avg. Class	Fill Rate
BLDC110	2014-2015	1	16	80.00%
BLDC110	2013-2014	1	12	60.00%
BLDC110	2012-2013	0	0	0.00%

Course	Year	Sections	Avg. Class	Fill Rate
BLDC115	2014-2015	0	0	0%
BLDC115	2013-2014	1	12	60%
BLDC115	2012-2013	1	19	76%
Course	**Year**	**Sections**	**Avg. Class**	**Fill Rate**
BLDC155	2014-2015	0	0	0%
BLDC155	2013-2014	0	0	0%
BLDC155	2012-2013	1	20	80%

Course	Year	Sections	Avg. Class	Fill Rate
BLDC165	2014-2015	0	0	0%
BLDC165	2013-2014	1	16	80%
BLDC165	2012-2013	1	20	80%

Course	Year	Sections	Avg. Class	Fill Rate
BLDC170	2014-2015	1	25	125%
BLDC170	2013-2014	0	0	0%
BLDC170	2012-2013	1	19	76%

Course	Year	Sections	Avg. Class	Fill Rate
BLDC175	2014-2015	0	0	0%
BLDC175	2013-2014	0	0	0.00%
BLDC175	2012-2013	1	19	76%

IX. Completions

	2014-2015		2013-2014		2012-2013	
	Degrees	**Certificates**	**Degrees**	**Certificates**	**Degrees**	**Certificates**
Energy Efficiency Technology	1	2	0	0	0	16

X. FTES/FTEF Analysis

Year	FTES	FTEF	FTES/FTEF
2014-2015	79.15	5.2	15.22
2013-2014	74.65	5.47	13.65
2012-2013	73.24	7.33	9.99

XI. Facility Utilization Plan

XII. SWOT Analysis

Strengths .	***Weaknesses*** .
Opportunities .	***Threats*** .

XIII. Program Evaluation

The core courses in this program have not been offered in three years due to low student interest and limited job opportunities in the region.

XIV. Recommendations

It is recommended that the Energy Efficiency program be eliminated from Imperial Valley College.