

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

ELECTRICAL TRADES

I. Program Description

- II.** The Electrical Trades program prepares the student for continued education and training in any or all of the following electrical apprenticeship programs: Electrician, Generation Mechanic, Power Lineman, Meter Technician, System Protection Technician, SCADA/ Telecommunications Technician, and Substation-Electrician. This certificate is equivalent to the first four courses of related supplemental instruction (RSI) which are part of the four-year apprenticeship certificate programs for which Imperial Valley College (IVC) is the local educational agency (LEA) and the Imperial Irrigation District (IID) is the sponsoring employer.

A. Degree

Associate in Science, Electrical Trades

B. Certificate

Certificated of Achievement, Electrical Trades

III. Career Opportunities

Industrial Electronics

IV. Industry Certification/Accreditation

None available.

V. Industry Recognized Credentials (IRC)

VI. Labor Market Demand

The Electrical Trades 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
Industrial Electronics	0934.20			Not listed

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

B. Employment Trends Assessment

VII. Other Regional Programs

There are no other similar training programs in Imperial Valley.

VIII. 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	Industrial Electronics	2/3	66.67%	91.93%
2013-2014	Industrial Electronics	0	0	80.14%
2012-2013	Industrial Electronics	0/1	0	75.13%

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	Industrial Electronics	5/6	83.33%	78.63%
2013-2014	Industrial Electronics	9/9	100%	73.61%
2012-2013	Industrial Electronics	2/4	50%	77.72%

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	Industrial Electronics	1/1	100%	68.82%
2013-2014	Industrial Electronics	0	0	83.28%
2012-2013	Industrial Electronics	2/2	100%	84.38%

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.

IX. 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
ELTT101	2014-2015	3	10	48.33%
ELTT101	2013-2014	1	18	90%
ELTT101	2012-2013	2	20.5	102.50%

Course	Year	Sections	Avg. Class	Fill Rate
ELTT102	2014-2015	1	16	80.00%
ELTT102	2013-2014	1	12	60%
ELTT102	2012-2013	0	0	0.00%

Course	Year	Sections	Avg. Class	Fill Rate
ELTT103	2014-2015	0	0	0%
ELTT103	2013-2014	1	9	45%
ELTT103	2012-2013	1	20	100%

Course	Year	Sections	Avg. Class	Fill Rate
ELTT104	2014-2015	1	9	45%
ELTT104	2013-2014	1	5	25%
ELTT104	2012-2013	1	9	45%

X. Completions

	2014-2015		2013-2014		2012-2013	
	Degrees	Certificates	Degrees	Certificates	Degrees	Certificates
Electrical Trades	1	0	0	0	0	3

XI. FTES/FTEF Analysis

Year	FTES	FTEF	FTES/FTEF
2014-2015	15.05	0.4	37.63
2013-2014	12.66	0.67	18.9
2012-2013	14.6	0.6	24.33

XII. Facility Utilization Plan

XIII. SWOT Analysis

Strengths	Weaknesses
Opportunities	Threats

XIV. Program Evaluation

XV. Recommendations

It is recommended that the Electrical Trades program continue with the following mitigation:

- The degree option shall be evaluated to determine its viability for this program. That program continues, subject to the continuous funding from the IID apprenticeship programs.