

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

BUILDING CONSTRUCTION TECHNOLOGY

I. Program Description

The Building Construction Technology program along with the specializations in Carpentry, Concrete Masonry, and Project management are designed to provide instruction in manipulative skills, technical knowledge, and related trade information which will prepare the student for employment in the Building Construction Industry.

A. Degree

Associate in Science, Building Construction Technology

B. Certificate

Certificated of Achievement, Building Construction Technology

II. Career Opportunities

First-Line Sup/Mgrs of Construction Trades and Extraction Workers
Tile and Marble Setters
Maintenance and Repair Workers, General
Carpenters

III. Industry Certification/Accreditation

There are three certifications under the NCCER (National Center for Construction Education and Research), but none of those certifications apply to our program. The available certifications are Mobile Crane Operator, Pipeline, and Rigger/Signal Person.

IV. Industry Recognized Credentials (IRC)

One of the industry recognized credentials are the OSHA cards for employees and the NCCER craft certifications for construction.

There are two State License classifications:

- Class A General Engineering Contractor
- Class B General Building Contractor

Additionally there are 44 Class C specialty licenses available.

V. Labor Market Demand

The Building Construction 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	0952.60 0952.70 0952.00	471011	160	6
Civil Engineering Technicians	0952.00	173022	70	1
Painters, Construction and Maintenance	0952.70	472141	50	2
Maintenance and Repair Workers, General	0957.00	499071	530	14
Carpenters	0952.10	472031	100	3
Total	26*			

*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%
	Civil and Construction Management Technology	0/3	0	42.39%
	Carpentry	Not Listed	Not Listed	Not Listed
	Masonry, Tile, Cement, Lath and Plaster	Not Listed	Not Listed	Not Listed
2013-2014	Construction Crafts Technology	29/29	100%	71.34%
	Civil and Construction Management Technology	1/5	20%	40.79
	Carpentry	0	0	29.12%
	Masonry, Tile, Cement, Lath and Plaster	Not Listed	Not Listed	Not Listed
2012-2013	Construction Crafts Technology	0	0	58.83%
	Civil and Construction Management Technology	1/2	50%	35.06%
	Carpentry	2/6	33.33%	41.08%
	Masonry, Tile, Cement, Lath and Plaster	0/1	0	78.57%

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
	Civil and Construction Management Technology	11/20	55%	70.95%
	Carpentry	Not Listed	Not Listed	Not Listed
	Masonry, Tile, Cement, Lath and Plaster	Not Listed	Not Listed	Not Listed
2013-2014	Construction Crafts Technology	17/28	60.71%	77.72%
	Civil and Construction Management Technology	8/13	61.54%	74.23%
	Carpentry	1/3	33.33%	70.63
	Masonry, Tile, Cement, Lath and Plaster	Not Listed	Not Listed	Not Listed
2012-2013	Construction Crafts Technology	1/1	100%	80.23%
	Civil and Construction Management Technology	8/10	80%	74.24%
	Carpentry	2/6	33.33%	75.14%
	Masonry, Tile, Cement, Lath and Plaster	1/2	50%	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	Construction Crafts Technology	6/8	75%	65.68%
	Civil and Construction Management Technology	8/9	88.89%	64.15%
	Carpentry	Not Listed	Not Listed	Not Listed
	Masonry, Tile, Cement, Lath and Plaster	Not Listed	Not Listed	Not Listed
2013-2014	Construction Crafts Technology	29/29	100%	69.20%
	Civil and Construction Management Technology	5/5	100%	79.42%
	Carpentry	2/2	100%	85.67%
	Masonry, Tile, Cement, Lath and Plaster	Not Listed	Not Listed	Not Listed
2012-2013	Construction Crafts Technology	0	0	69.28%
	Civil and Construction Management Technology	2/2	100%	79.05%
	Carpentry	6/6	100%	81.12
	Masonry, Tile, Cement, Lath and Plaster	1/1	100%	100%

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
BLDC130	2014-2015	0	0	0%
BLDC130	2013-2014	1	20	100.00%
BLDC130	2012-2013	1	19	95%

Course	Year	Sections	Avg. Class	Fill Rate
BLDC135	2014-2015	1	23	115%
BLDC135	2013-2014	0	0	0.00%
BLDC135	2012-2013	1	13	65%

Course	Year	Sections	Avg. Class	Fill Rate
BLDC140	2014-2015	1	21	105%
BLDC140	2013-2014	1	19	95.00%
BLDC140	2012-2013	0	0	0.00%

Course	Year	Sections	Avg. Class	Fill Rate
BLDC145	2014-2015	1	15	75%
BLDC145	2013-2014	1	15	75%
BLDC145	2012-2013	0	0	0.00%

Course	Year	Sections	Avg. Class	Fill Rate
BLDC150	2014-2015	2	18	87.50%
BLDC150	2013-2014	0	0	0%
BLDC150	2012-2013	0	0	0%

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%

Course	Year	Sections	Avg. Class	Fill Rate
BLDC180	2014-2015	1	27	135%
BLDC180	2013-2014	0	0	0.00%
BLDC180	2012-2013	1	13	65%

Course	Year	Sections	Avg. Class	Fill Rate
BLDC185	2014-2015	0	0	0%
BLDC185	2013-2014	0	0	0.00%
BLDC185	2012-2013	1	16	80%

Course	Year	Sections	Avg. Class	Fill Rate
BLDC190	2014-2015	1	19	95%
BLDC190	2013-2014	0	0	0.00%
BLDC190	2012-2013	1	17	85%

IX. Completions

	2014-2015		2013-2014		2012-2013	
	Degrees	Certificates	Degrees	Certificates	Degrees	Certificates
Building Construction Technology	2	0	0	0	0	0
BCT – Carpentry	0	2	0	0	N/A	0
BCT – Concrete Masonry	0	0	0	0	N/A	0
BCT – Project Management	0	0	0	0	N/A	0

X. FTES/FTEF Analysis

Year	FTES	FTEF	FTES/FTEF
2014-2015	45.59	4.47	10.2
2013-2014	23.85	2.47	9.66
2012-2013	22.78	3.13	7.28

XI. Facility Utilization Plan

The plan for the facility is to continue offering classes following our current pathway and offer classes during winter and summer terms both during day and evening schedules to attract more students to the program and continue increasing our enrollment and increase our FTE and FTES.

XII. SWOT Analysis

<p>Strengths The program seems to be sound in terms and enrollment and class offerings.</p>	<p>Weaknesses Currently there is only one fulltime instructor and one adjunct instructor teaching.</p>
<p>Opportunities The program can be expanded by offering more short certificates with the help of more adjunct instructors.</p>	<p>Threats Currently there are no evident threats to the program because job opportunities in the imperial valley and adjoining regions seem to be growing and enrollment is steady.</p>

XIII. Program Evaluation

The Building Construction Technology program has Perkins performance levels consistent with mandated State averages. Fill rates fluctuate around an 80% level. The program is located in a state-of-the-art facility and is seeing better participation rates in the 15-16 year. Construction related jobs are in high demand in the region. Some students also become self-employed.

XIV. Recommendations

It is recommended that the construction program continue at Imperial Valley College with a closer review of program and certificate completers for the next review.