

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

COMPUTER INFORMATION SYSTEMS

I. Program Description

The Computer Information Systems program provides the lower division coursework for advanced degrees and should be followed if a student's goal is to transfer to a four-year institution for continued study in computer information systems. Since requirements vary at each four-year school, transfer students should consult with a counselor to develop a program for the specific school they wish to attend.

- A. Degree
Associate in Science, Computer Information Systems

II. Career Opportunities

Systems Programmer
Software Designer
Computer Systems Analysts
Computer Software Developers, Applications

- III. Industry Certification/Accreditation** (to be completed by faculty): Student may take the following industry certification:
Microsoft Office Specialist

- IV. Industry Recognized Credentials (IRC)** (to be completed by faculty): Student may take the following industry recognized certification:
Microsoft Office Specialist

V. Labor Market Demand

The Computer Information Systems 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	2008	Average Job Openings per Year
Computer Systems Analysts	0702.00	151121	110	3
Software Developers, Applications	0702.00	151132	70	2
Total				5*

*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):

Labor market demand for employees with computer information skills will continue to increase.

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	Computer Information Systems	12/13	92.31%	86.16%
2012-2013	Computer Information Systems	10/12	83.33%	88.73%
2011-2012	Computer Information Systems	13/13	100%	87.80%

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
2013-2014	Computer Information Systems	10/13	76.92%	86.76%
2012-2013	Computer Information Systems	10/15	66.67%	84.81%
2011-2012	Computer Information Systems	15/15	100%	83.31%

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
2013-2014	Computer Information Systems	8/8	100%	74.78%
2012-2013	Computer Information Systems	13/13	100%	61.98%
2011-2012	Computer Information Systems	5/5	100%	65.16%

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 facility utilization for CTE programs in the new CTE building.

VIII. Enrollment Trends

Course	Year	Sections	Avg. Class	CAP	Fill Rate
BUS126	2012-2013	6	30	34	88.73%
BUS126	2011-2012	6	26	32	82.20%
BUS126	2010-2011	6	28	32	89%

Course	Year	Sections	Avg. Class	CAP	Fill Rate
BUS210	2012-2013	5	33.8	33	1.02
BUS210	2011-2012	7	27	35	77.55%
BUS210	2010-2011	7	31.5	35	90.61%

Course	Year	Sections	Avg. Class	CAP	Fill Rate
BUS220	2012-2013	3	28	35	80%
BUS220	2011-2012	3	27	35	77.14%
BUS220	2010-2011	3	30	35	85.71%

Course	Year	Sections	Avg. Class	CAP	Fill Rate
CIS101	2012-2013	2	23.5	28	84.53%
CIS101	2011-2012	18	27.6	33	83.67%
CIS101	2010-2011				

Course	Year	Sections	Avg. Class	CAP	Fill Rate
CIS125	2012-2013	4	18.25	25	73%
CIS125	2011-2012	2	25.5	40	64%
CIS125	2010-2011	6	24.5	31	78.19%

IX. Completions

	2012-2013		2011-2012		2010-2011	
	Degrees	Certificates	Degrees	Certificates	Degrees	Certificates
Computer Information Systems	9	N/A	19	N/A	11	N/A

X. FTES/FTEF Analysis

Year	FTES	FTEF	FTES/FTEF
2012-2013	209.83	15.67	13.39
2011-2012	207.14	15.53	13.34
2010-2011	183.49	183.49	1.00

XI. Facility Utilization Plan (to be completed by faculty): Computer Information Systems courses will utilize the existing computer lab facilities to meet the student needs.

XII. SWOT Analysis (to be completed by faculty)

Strengths: <i>This program develops students' information technology and critical thinking skills. Better prepares students for the 21st century marketplace.</i>	Weaknesses: <i>More local business interaction would be desirable. Funding issues to keep the program current.</i>
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<p><i>Fill rates are consistent. Persistence and completion rates are strong.</i></p>	
<p><i>Opportunities: Further collaboration with our local university to increase transfer rates and A.S. Degrees. Increased class sizes should increase FTES/FTEF ratio without reducing success rates.</i></p>	<p><i>Threats: Persistent high unemployment in Imperial Valley is a challenge for all programs. While students do find jobs locally, some may need to leave the valley to better match their skills to the jobs available.</i></p>

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

XIV. Recommendation (to be completed by EWD office)