

**IMPERIAL VALLEY COLLEGE DISTRICT  
REVIEW OF CAREER EDUCATION TRAINING PROGRAMS  
2019**

**COMPUTER INFORMATION SYSTEMS**

**I. Program Description**

Computer Information Systems are the tools that facilitate the effective and efficient transformation of data into information. Careers in today’s information systems require knowledge and hands-on experience in microcomputer applications, programming, operating systems, and networking. This 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. The program in Computer Information Systems offers students an opportunity to earn an associate’s degree as well as coursework in general CIS electives for students in other fields of study campus-wide.

- 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**

CompTIA A+ certification  
CompTIA Network+ certification  
CCNET Cisco Certified Entry Network Technician  
Microsoft User Specialist (MOUS)

**IV. Industry Recognized Credentials (IRC)**

CompTIA A+ certification  
CompTIA Network+ certification  
CCNET Cisco Certified Entry Network Technician  
Microsoft User Specialist (MOUS)

**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	2014	Average Job Openings per Year
Computer Systems Analysts	0702.00	151121	60	2
Total				2*

\*State Employment Development  
Occupational Employment Projections 2014-2024

**B. Employment Trends**

Dependent upon local counties employment rate. Employment trends and limited availability of CIS jobs in the Imperial County.

**VI. Other Regional Programs**

There are no other similar training programs in Imperial Valley.

**VII. Employment and Completion**

(Based on State Core Measures Report, 2016-2017 & 2017-2018)

**Core 2: Completions.** Measures completions for Career 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
2017-2018	Computer Information Systems	16/16	100%	91.55%
2016-2017	Computer Information Systems	8/8	100%	93.56%

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 Education student concentrators (students who have successfully completed a minimum of 12 units of related Career 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
2017-2018	Computer Information Systems	9/14	64.29%	85.20%
2016-2017	Computer Information Systems	4/8	50%	88.65%

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 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
2017-2018	Computer Information Systems	10/11	90.91%	65.84%
2016-2017	Computer Information Systems	7/8	87.50%	57.60%

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, CE programs are also being evaluated for student demand, certificate and program completion, local labor demand, and a facility utilization for CE programs in the new CE building.

### VIII. Enrollment Trends

Year	Course	Sections	Avg. Class	CAP	Fill Rate
2016-2017	BUS126	6	31.17	35	89.05%
2017-2018	BUS126	6	31.33	35	89.52%

2016-2017	BUS210	6	23.5	34.5	68.12%
2017-2018	BUS210	7	29	35	82.86%

2016-2017	BUS220	3	30.33	35	86.67%
2017-2018	BUS220	3	26.33	35	75.24%

Year	Course	Sections	Avg. Class	CAP	Fill Rate
2016-2017	ECON101	6	32.33	35	92.38%
2017-2018	ECON101	7	33.71	35	96.33%

2016-2017	ECON102	6	27.17	35	77.62%
2017-2018	ECON102	5	33.8	35	96.57%

Year	Course	Sections	Avg. Class	CAP	Fill Rate
2016-2017	CIS101	17	28.29	36.24	78.08%
2017-2018	CIS101	16	33.06	37.75	87.58%

2016-2017	CIS124	4	26.75	32.25	82.95%
2017-2018	CIS124	4	24.75	29.5	83.90%

2016-2017	CIS125	3	34.33	31.33	109.57%
2017-2018	CIS125	3	19.67	26.67	73.75%

2016-2017	CIS128	1	27	35	77.14%
2017-2018	CIS128	1	28	35	80%

2016-2017	CIS137	2	26.5	32.5	81.54%
2017-2018	CIS137	1	18	35	51.43%

2016-2017	CIS155	1	31	35	88.57%
2017-2018	CIS155	1	26	35	74.29%

2016-2017	CIS160	1	13	24	54.17%
2017-2018	CIS160	1	16	24	66.67%

2016-2017	CIS202	1	17	30	56.67%
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2017-2018	CIS202	1	22	30	73.33%
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2016-2017	CIS210	2	23	27	85.19%
2017-2018	CIS210	2	21	27	77.78%

2016-2017	CIS212	1	29	30	96.67%
2017-2018	CIS212	1	32	30	106.67%

**IX. Completions**

	2016-2017		2017-2018	
	Degrees	Certificates	Degrees	Certificates
Computer Information Systems	8	0	8	0

**X. FTES/FTEF Analysis**

Computer Information Systems(A.S.)			
Year	FTES	FTEF	FTES/FTEF
2017-2018	235.75	16.71	14.11
2016-2017	214.63	16.35	13.13

**XI. Facility Utilization Plan**

Department computer labs deemed sufficient.

**XII. SWOT Analysis**

<p><b>Strengths</b> Flexible courses available on-campus and via distance learning.</p>	<p><b>Weaknesses</b> Student enrollment challenges</p>
<p><b>Opportunities</b> Articulation with University of Arizona, Yuma satellite branch.</p>	<p><b>Threats</b> Employment trends and limited availability of CIS jobs in the Imperial County.</p>

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

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