Computer Information Systems Education Report

CIP 11.0401

Cochise, Pima, SC

Information Science/Studies

CIP 2010: A program that focuses on the theory, organization, and process of information collection, transmission, and utilization in traditional and electronic forms. Includes instruction in information classification and organization; information storage and processing; transmission, transfer, and signaling; communications and networking; systems planning and design; human interfacing and use analysis; database development; information policy analysis; and related aspects of hardware, software, economics, social factors, and capacity

Target Occupations

4,139 Jobs (2016) 29% above National average		2.5% % Change (2017-2022) Nation: 7.4%		\$44.52/hr Median Hourly Earnings Nation: \$52.87/hr		
Software Developers, Systems Software	2,090	35	\$44.58/hr	1.05%	1.62	
Computer and Information Systems Managers	1,173	27	\$48.55/hr	5.46%	1.04	
Computer Occupations, All Other	825	15	\$37.81/hr	1.58%	1.10	
Computer and Information Research Scientists	73	2	\$55.83/hr	4.11%	0.84	

^{*} Target Occupations - Settings

Occupational Programs						
11.00	529.00	200.00				
Programs (2015)	Completions (2015)	Openings (2015)				
CIP Code	Program	Completions (2011)	(2012)	(2013)	(2014)	(2015)
52.1201	Management Information Systems, General	70	142	141	129	152
11.0701	Computer Science	94	116	99	142	140
11.0103	Information Technology	62	76	94	84	121
11.0101	Computer and Information Sciences, General	88	103	70	46	48
11.1001	Network and System Administration/Administrator	0	16	17	38	32
52.0205	Operations Management and Supervision	39	58	35	38	23
11.0401	Information Science/Studies	5	15	15	8	7
11.0201	Computer Programming/Programmer, General	7	14	14	3	6
11.0199	Computer and Information Sciences, Other	0	0	0	0	0
14.0901	Computer Engineering, General	0	0	0	0	0
11.0301	Data Processing and Data Processing Technology/Technician	15	16	25	5	0

Programs by Institution					
CIP Code	Title	Institution	Award Level	Completions (2015)	
11.0101	Computer and Information Sciences, General	Cochise County Community College District	Award of less than 1 academic year	5	
11.0101	Computer and Information Sciences, General	Pima Community College	Award of less than 1 academic year	0	
11.0101	Computer and Information Sciences, General	Brown Mackie College-Tucson	Award of less than 1 academic year	0	
11.0101	Computer and Information Sciences, General	Pima Community College	Associates degree	0	
11.0101	Computer and Information Sciences, General	Cochise County Community College District	Associates degree	0	
11.0101	Computer and Information Sciences, General	Brown Mackie College-Tucson	Associates degree	0	
11.0101	Computer and Information Sciences, General	University of Arizona	Bachelors degree	43	
11.0101	Computer and Information Sciences, General	Brown Mackie College-Tucson	Bachelors degree	0	
11.0101	Computer and Information Sciences, General	University of Phoenix-Southern Arizona Campus	Bachelors degree	0	
11.0101	Computer and Information Sciences, General	University of Arizona	Masters degree	0	
11.0101	Computer and Information Sciences, General	University of Arizona	Doctors degree	0	
11.0103	Information Technology	Cochise County Community College District	Award of less than 1 academic year	0	
11.0103	Information Technology	ITT Technical Institute-Tucson	Associates degree	0	
11.0103	Information Technology	University of Phoenix-Southern Arizona Campus	Associates degree	0	

11.0103	Information Technology	University of Phoenix-Southern Arizona Campus	Bachelors degree	0
11.0103	Information Technology	University of Arizona	Bachelors degree	0
11.0103	Information Technology	University of Arizona	Masters degree	121
11.0199	Computer and Information Sciences, Other	Pima Community College	Associates degree	0
11.0201	Computer Programming/Programmer , General	Cochise County Community College District	Award of less than 1 academic year	0
11.0201	Computer Programming/Programmer , General	Cochise County Community College District	Award of at least 1 but less than 2 academic years	0
11.0201	Computer Programming/Programmer , General	ITT Technical Institute-Tucson	Associates degree	6
11.0201	Computer Programming/Programmer , General	Cochise County Community College District	Associates degree	0
11.0201	Computer Programming/Programmer , General	University of Phoenix-Southern Arizona Campus	Bachelors degree	0
11.0301	Data Processing and Data Processing Technology/Technician	Cochise County Community College District	Award of less than 1 academic year	0
11.0301	Data Processing and Data Processing Technology/Technician	Pima Community College	Award of less than 1 academic year	0
11.0301	Data Processing and Data Processing Technology/Technician	Cochise County Community College District	Associates degree	0
11.0401	Information Science/Studies	Pima Community College	Award of less than 1 academic year	0
11.0401	Information Science/Studies	Brookline College-Tucson	Award of less than 1 academic year	0
11.0401	Information Science/Studies	Cochise County Community College District	Award of at least 1 but less than 2 academic years	0
11.0401	Information Science/Studies	Cochise County Community College District	Associates degree	7
11.0401	Information Science/Studies	Brookline College-Tucson	Associates degree	0
11.0701	Computer Science	Cochise County Community College District	Associates degree	3
11.0701	Computer Science	University of Arizona	Bachelors degree	110
11.0701	Computer Science	University of Arizona-South	Bachelors degree	6
11.0701	Computer Science	University of Arizona	Masters degree	13
11.0701	Computer Science	University of Arizona	Doctors degree	8
11.1001	Network and System Administration/Administrat or	Pima Community College	Award of less than 1 academic year	21
11.1001	Network and System Administration/Administrat or	Cochise County Community College District	Award of less than 1 academic year	6

11.1001	Network and System Administration/Administrat or	Brown Mackie College-Tucson	Associates degree	0
11.1001	Network and System Administration/Administrat or	Pima Community College	Associates degree	0
11.1001	Network and System Administration/Administrat or	Brown Mackie College-Tucson	Bachelors degree	5
11.1001	Network and System Administration/Administrat or	University of Phoenix-Southern Arizona Campus	Bachelors degree	0
14.0901	Computer Engineering, General	University of Arizona	Bachelors degree	0
52.0205	Operations Management and Supervision	University of Arizona	Bachelors degree	23
52.0205	Operations Management and Supervision	University of Phoenix-Southern Arizona Campus	Bachelors degree	0
52.1201	Management Information Systems, General	University of Phoenix-Southern Arizona Campus	Award of less than 1 academic year	0
52.1201	Management Information Systems, General	University of Arizona	Bachelors degree	149
52.1201	Management Information Systems, General	University of Phoenix-Southern Arizona Campus	Bachelors degree	0
52.1201	Management Information Systems, General	University of Arizona	Postbaccalaureate certificate	3
52.1201	Management Information Systems, General	University of Phoenix-Southern Arizona Campus	Masters degree	0
52.1201	Management Information Systems, General	University of Arizona	Masters degree	0

Regional Completions by Award Level

Award Level	Completions (2015)	Percent
Associates degree	7	100.0%
Award of less than 1 academic year	0	0.0%
Award of at least 1 but less than 2 academic years	0	0.0%
Award of at least 2 but less than 4 academic years	0	0.0%
Bachelors degree	0	0.0%
Postbaccalaureate certificate	0	0.0%
Masters degree	0	0.0%
Post-masters certificate	0	0.0%
Doctors degree	0	0.0%

^{*} Regional Completions by Award Level - Settings

Regional Completions by Institution

Institution	Certificates (2015)	Degrees (2015)	Total Completions (2015)
Cochise County Community College District	0	7	7
Pima Community College	0	0	0
Brookline College-Tucson	0	0	0

^{*} Regional Completions by Institution - Settings

Appendix A - Data Sources and Calculations

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

Occupation Data

EMSI occupation employment data are based on final EMSI industry data and final EMSI staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level EMSI earnings by industry.

State Data Sources

This report uses state data from the following agencies: Arizona Department of Administration, Office of Employment and Population Statistics