

Labor Market Demand, Computer Science

Central Valley South

SOC Code	Job Description	2017 Jobs	2022 Jobs	2017-22 Change #	Change %	Annual Openings	Entry Wage	Median Wage
11-3021	Computer & Information Systems Managers	837	910	73	8.7%	78	\$38.20	\$57.90
15-1111	Computer & Information Research Scientists	284	291	6	2.2%	20	\$32.90	\$54.80
15-1121	Computer Systems Analysts	1,249	1,335	86	6.9%	99	\$25.20	\$38.60
15-1122	Information Security Analysts	161	184	23	14.6%	16	\$26.70	\$42.00
15-1131	Computer Programmers	521	525	4	0.7%	35	\$21.70	\$35.10
15-1132	Software Developers, Applications	1,110	1,294	184	16.6%	112	\$26.70	\$47.80
15-1133	Software Developers, Systems Software	463	517	54	11.8%	42	\$28.90	\$43.50
15-1134	Web Developers	430	459	29	6.8%	37	\$14.90	\$22.50
15-1141	Database Administrators	221	250	28	12.8%	20	\$22.10	\$34.70
15-1142	Network & Computer Systems Administrators	1,145	1,222	77	6.7%	88	\$22.20	\$37.10
15-1143	Computer Network Architects	248	273	26	10.3%	22	\$28.20	\$46.80
15-1151	Computer User Support Specialists	2,064	2,264	200	9.7%	196	\$15.20	\$23.40
15-1152	Computer Network Support Specialists	549	608	59	10.8%	53	\$16.30	\$30.90
15-1199	Computer Occupations, All Other	1,401	1,468	67	4.8%	108	\$21.80	\$39.60
Total		10,682	11,601	918	8.6%	926	\$23.03	\$37.69

Annual Openings includes new jobs and replacement jobs.

Entry Wage = 10th percentile wage.

Labor Market Supply, Computer Science - Two Year Colleges

Central Valley South

TOP 6 -- Program Title	2013-14	2014-15	2015-16	2016-17	Annual Average
070100 - Information Technology, General					
Associate Degree	-	12	14	-	9
Award 1 < 2 academic yrs	-	-	16	-	5
Certificate 6 to < 18 semester units	-	15	4	-	6
070100 - Information Technology, General - Total	-	27	34	-	20
070200 - Computer Information Systems					
Associate Degree	-	32	39	35	35
Certificate 30 to < 60 semester units	-	9	6	12	9
Certificate 18 to < 30 semester units	-	4	9	11	8
Certificate 12 to < 18 semester units	-	22	30	12	21
Certificate 6 to < 18 semester units	-	-	1	-	0
070200 - Computer Information Systems - Total	-	67	85	70	74
070210 - Software Applications					
Associate Degree	-	16	15	21	17
Certificate 30 to < 60 semester units	-	-	1	-	0
Certificate 18 to < 30 semester units	-	25	4	4	11
Certificate 6 to < 18 semester units	-	46	47	58	50
070210 - Software Applications - Total	-	87	67	83	79
070710 - Computer Programming					
Associate Degree	-	-	-	1	0
Certificate 18 to < 30 semester units	-	1	-	-	0
070710 - Computer Programming - Total	-	1	-	1	1
070800 - Computer Infrastructure and Support					
Certificate 30 to < 60 semester units	-	-	-	3	1
Certificate 18 to < 30 semester units	-	23	-	-	8
Certificate 12 to < 18 semester units	-	3	-	3	2
070800 - Computer Infrastructure and Support - Total	-	26	-	6	11
070810 - Computer Networking					
Associate Degree	-	17	17	8	14
Award 1 < 2 academic yrs	-	-	27	-	9
Certificate 30 to < 60 semester units	-	5	4	4	4
Certificate 18 to < 30 semester units	-	13	3	2	6
070810 - Computer Networking - Total	-	35	51	14	33
070820 - Computer Support					
Associate Degree	24	17	21	-	21
Award 1 < 2 academic yrs	-	15	39	-	18
070820 - Computer Support - Total	24	32	60	-	39
070900 - World Wide Web Administration					
Associate Degree	-	-	-	3	1
Certificate 18 to < 30 semester units	-	-	1	2	1
070900 - World Wide Web Administration - Total	-	-	1	5	2
Above TOP Codes					
Associate Degree	24	94	106	68	97
Award 1 < 2 academic yrs	-	15	82	-	32
Certificate 30 to < 60 semester units	-	14	11	19	15
Certificate 18 to < 30 semester units	-	66	17	19	34
Certificate 12 to < 18 semester units	-	25	30	15	23
Certificate 6 to < 18 semester units	-	61	52	58	57
Above TOP Codes - Grand Total	24	275	298	179	259

Colleges Reporting

- Bakersfield
- Cerro Coso
- Clovis
- Fresno City
- Institute of Technology
- College of Sequoias
- Milan Institute
- Porterville
- Reedley
- San Joaquin Valley College
- SBBC-Bakersfield
- Taft
- UEI College-Bakersfield
- UEI College-Fresno
- West Hills Coalinga
- West Hills Lemoore

Private college reporting period = 2013-14 to 2015-16.
Public college reporting period = 2014-15 to 2016-17.

Summary	
Annual Demand	926
Annual Supply	259
Excess Demand	667

Central Valley South = Fresno, Madera, Tulare, Kings, and Kern counties.

Data source = EMSI compilation of public and private data for the CCC "Strong Workforce" Centers of Excellence.