

**Labor Market Demand, Information Technology**

**Central Valley South**

SOC Code	Job Description	2015 Jobs	2018 Jobs	2015-18 Change #	2015-18 Change %	Annual Openings	Entry Wage	Median Wage
17-3023	Electrical and Electronics Engineering Technicians	1,037	1,062	25	2.4%	36	\$24.69	\$36.31
17-3024	Electro-Mechanical Technicians	54	54	0	0.2%	1	\$19.20	\$29.98
17-3026	Industrial Engineering Technicians	109	115	5	4.9%	4	\$21.35	\$37.22
17-3027	Mechanical Engineering Technicians	149	155	5	3.7%	5	\$18.84	\$32.51
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	445	454	9	2.0%	13	\$18.60	\$27.27
49-9041	Industrial Machinery Mechanics	2,664	2,898	234	8.8%	164	\$15.95	\$25.58
49-9043	Maintenance Workers, Machinery	905	960	55	6.1%	36	\$12.43	\$19.44
49-9069	Precision Instrument and Equipment Repairers, All Other	55	58	2	4.1%	3	\$15.68	\$28.50
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	240	257	17	7.3%	14	\$12.77	\$20.46
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	76	79	4	4.6%	4	\$15.75	\$25.16
51-4041	Machinists	1,535	1,574	39	2.5%	69	\$11.86	\$18.89
51-4081	Machine Tool Setters, Operators, and Tenders, Metal and Plastic	123	132	9	7.4%	4	\$11.23	\$17.24
<b>Total</b>		<b>7,394</b>	<b>7,799</b>	<b>405</b>	<b>5.5%</b>	<b>354</b>	<b>\$16.03</b>	<b>\$25.10</b>

Annual Openings includes new jobs and replacement jobs.

Entry Wage = 10th percentile wage.

**Labor Market Supply, Information Technology -- 2 Year Institutions**

**Central Valley South**

TOP 6 -- Program Title	2012-13	2013-14	2014-15	2015-16	Annual Average
<b>093420 - Industrial Electronics</b>					
Fresno City		8	25	15	16
<b>093420 - Industrial Electronics Total</b>	-	<b>8</b>	<b>25</b>	<b>15</b>	<b>16</b>
093500 - Electro-Mechanical Technology					
No current programs in Central Valley South					
<b>093500 - Electro-Mechanical Technology Total</b>	-	-	-	-	-
094500 - Industrial Systems Technology & Maintenance					
Fresno City		-	18	-	6
San Joaquin Valley College	31	135	102		89
Sequoias		35	36	60	44
<b>094500 - Industrial Systems Technology &amp; Maint. Total</b>	<b>31</b>	<b>170</b>	<b>156</b>	<b>60</b>	<b>139</b>
095600 - Manufacturing & Industrial Technology					
Bakersfield		2	1	2	2
Cerro Coso		1	-	-	0
Fresno City		28	41	23	31
Porterville		-	25	1	9
<b>095600 - Manufacturing &amp; Industrial Technology Total</b>	-	<b>31</b>	<b>67</b>	<b>26</b>	<b>41</b>
<b>Combined TOP Codes</b>	<b>31</b>	<b>209</b>	<b>248</b>	<b>101</b>	<b>196</b>

Current ITEC program

Summary	
Annual Demand	354
Annual Supply	196
<b>Excess Demand</b>	<b>158</b>

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.

**Labor Market Demand, Information Technology**

**California**

SOC Code	Job Description	2015 Jobs	2018 Jobs	2015-18 Change #	2015-18 Change %	Annual Openings	Entry Wage	Median Wage
17-3023	Electrical and Electronics Engineering Technicians	23,442	23,552	110	0.5%	715	\$19.39	\$31.44
17-3024	Electro-Mechanical Technicians	1,816	1,819	3	0.2%	55	\$16.23	\$24.67
17-3026	Industrial Engineering Technicians	4,425	4,516	91	2.1%	157	\$18.09	\$28.49
17-3027	Mechanical Engineering Technicians	4,526	4,648	122	2.7%	167	\$17.88	\$29.82
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	6,218	6,321	104	1.7%	158	\$17.00	\$28.66
49-9041	Industrial Machinery Mechanics	25,222	26,873	1,650	6.5%	1,268	\$16.81	\$28.75
49-9043	Maintenance Workers, Machinery	8,094	8,372	278	3.4%	247	\$12.51	\$20.70
49-9069	Precision Instrument and Equipment Repairers, All Other	1,390	1,373	(18)	(1.3%)	31	\$17.64	\$32.00
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	10,843	11,215	372	3.4%	477	\$11.39	\$18.60
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	2,525	2,589	65	2.6%	113	\$17.97	\$28.78
51-4041	Machinists	35,690	36,157	467	1.3%	1,372	\$11.81	\$20.00
51-4081	Machine Tool Setters, Operators, and Tenders, Metal and Plastic	5,796	5,752	(44)	(0.8%)	129	\$10.76	\$16.71
<b>Total</b>		<b>129,987</b>	<b>133,186</b>	<b>3,199</b>	<b>2.5%</b>	<b>4,890</b>	<b>\$15.02</b>	<b>\$24.95</b>

Annual Openings includes new jobs and replacement jobs.

Entry Wage = 10th percentile wage.

**Labor Market Supply, Information Technology -- 2 Year Institutions**

**California**

TOP 6 -- Program Title	2012-13	2013-14	2014-15	2015-16	Annual Average
093420 - Industrial Electronics		135	187	132	151
093500 - Electro-Mechanical Technology		1	-	1	1
094500 - Industrial Systems Technology & Maintenance	31	353	339	283	335
095600 - Manufacturing & Industrial Technology	7	117	200	181	168
<b>Combined TOP Codes</b>	<b>38</b>	<b>606</b>	<b>726</b>	<b>597</b>	<b>656</b>

<b>Summary</b>	
Annual Demand	4,890
Annual Supply	656
<b>Excess Demand</b>	<b>4,234</b>

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