



Engineering Technician Occupations

17-3023	Electrical and Electronics Engineering Technicians
17-3026	Industrial Engineering Technicians
17-3027	Mechanical Engineering Technicians
17-3029	Engineering Technicians, Except Drafters, All Other

Visit https://www.bls.gov/soc/major_groups.htm for more information.

Emsi Q1 2017 Data Set

March 2017

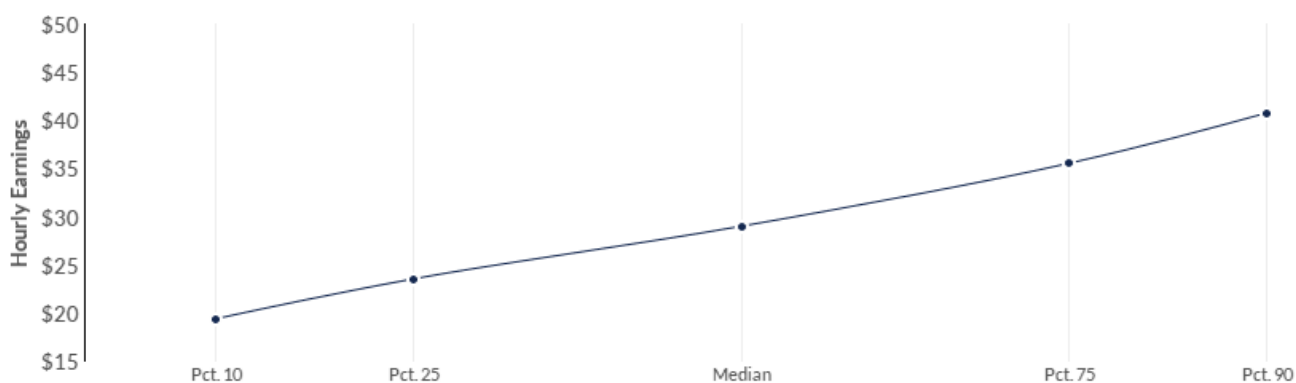
Sonoma County Economic Development Board



Percentile Earnings

Presented below are the salary ranges for the occupations included in this report. In general, the 25th percentile earnings represent the wage one might expect to receive at an entry level position for a given occupation if they have the appropriate skills, training, and certifications. Wage growth could be expected to follow the path depicted in the graph as the employee successfully completes job training and gains experience in the occupation. A more detailed explanation of percentile earnings can be found here: <https://admin.utep.edu/Default.aspx?tabid=6726>

<p>\$23.52/hr</p> <p>25th Percentile Earnings</p>	<p>\$29.00/hr</p> <p>Median Earnings</p>	<p>\$35.55/hr</p> <p>75th Percentile Earnings</p>
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Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Electrical and Electronics Engineering Technicians (17-3023)	\$25.83	\$31.83	\$37.05
Industrial Engineering Technicians (17-3026)	\$30.54	\$33.28	\$35.99
Mechanical Engineering Technicians (17-3027)	\$23.74	\$29.19	\$33.91
Engineering Technicians, Except Drafters, All Other (17-3029)	\$17.15	\$22.80	\$33.58

Occupation Age Breakdown



Age	2016 Jobs	2016 Percent
14-18	1	0.3%
19-24	19	4.8%
25-34	58	14.4%
35-44	83	20.5%
45-54	125	31.0%
55-64	99	24.5%
65+	19	4.6%

Industries Employing Engineering Technician Occupations

Industry	Occupation Group Jobs in Industry (2016)	% of Occupation Group in Industry (2016)	% of Total Jobs in Industry (2016)
Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals	60	14.7%	4.2%
Semiconductor and Related Device Manufacturing	37	9.2%	7.2%
Engineering Services	35	8.7%	2.9%
Local Government, Excluding Education and Hospitals	20	4.9%	0.2%
Other Electronic Component Manufacturing	16	3.9%	7.2%

Most Relevant Hard Skills

Skill	Skill
Microwave Plasma	Soldering
Support Engineering	High-Performance Liquid Chromatography
Grid Packaging Technology	Experimentation
Integrated Circuits	Technical Analysis
Digital Electronics	Portable Document Format
Resistors	Design Of Experiments
ANSYS Meshing	Design Specifications
Electron Microscope	Process Engineering
Spectrophotometry	Data Transmissions
Microwaves	Product Quality Control
Microelectronics	Standardization
Surface-Mount Technology	Blueprints (Construction)
Capacitors	Process Control
Cleanrooms	Biochemistry
Mechanical Assembly	Optics
Deposition (Geology)	ISO 9000
Laser	Manufacturing Engineering
Analogs	Test Engineering
Principal Component Analysis	Technical Writings
Process Improvements (Computing)	Fabrication
Radio Frequency	Test Equipment
Microscopy	
Graphics Animation System For Professionals	
Software Quality Control	
Production Equipment Controls	
Electronic Circuits	
Analytical Chemistry	
Failure Analysis	
Design For Manufacturability (Industrial Design)	

Most Relevant Soft Skills

Skill
Endurance
Reliability
Literacy
Listening
Leadership
Leading

Top Companies Posting

Jan. 2017 - Feb. 2017

Company	Total/Unique Postings
Volt Information Sciences, Inc.	68 / 15
Keysight Technologies, Inc.	21 / 6
Rose International, Inc	18 / 6
Smco, Inc.	25 / 4
Apex Systems, Inc.	14 / 2
General Dynamics Corporation	4 / 2
Klein Management Systems, Inc	5 / 2
Randstad Holding nv	5 / 2
Vista Outdoor Corp	6 / 2
Manpower Group International Inc	2 / 1
U.S. Technology Corporation	3 / 1

Appendix A - Data Sources and Calculations

The Sonoma County Economic Development Board (EDB) prepares custom EDB Job Market Tracker Reports to provide insights into current workforce demands of the local economy by analyzing online job posting data and historical job data. Data used to inform the development of this report was collected by the EDB from the data provider Economic Modeling Specialists, Inc. (Emsi), a labor market database that compiles job postings from national, public, and corporate sources. If you have any questions, please contact the EDB at 707-565-7170.

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.

CareerBuilder/Emsi Job Postings

Job postings are collected from various sources and processed/enriched by Careerbuilder to provide information such as standardized company name, occupation, skills, and geography. Emsi performs additional filtering and processing to improve compatibility with Emsi data.

State Data Sources

This report uses state data from the following agencies: California EDD Labor Market Information Division