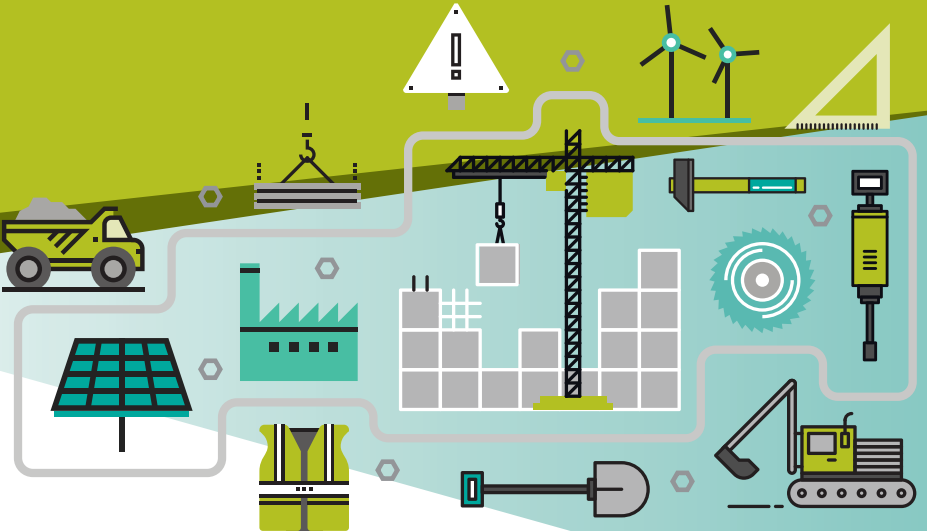


# Energy, Construction & Utilities (ECU)

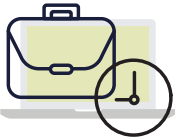


## About the industry sector



**10%**

Projected job growth, 2019-2024



**148,000**

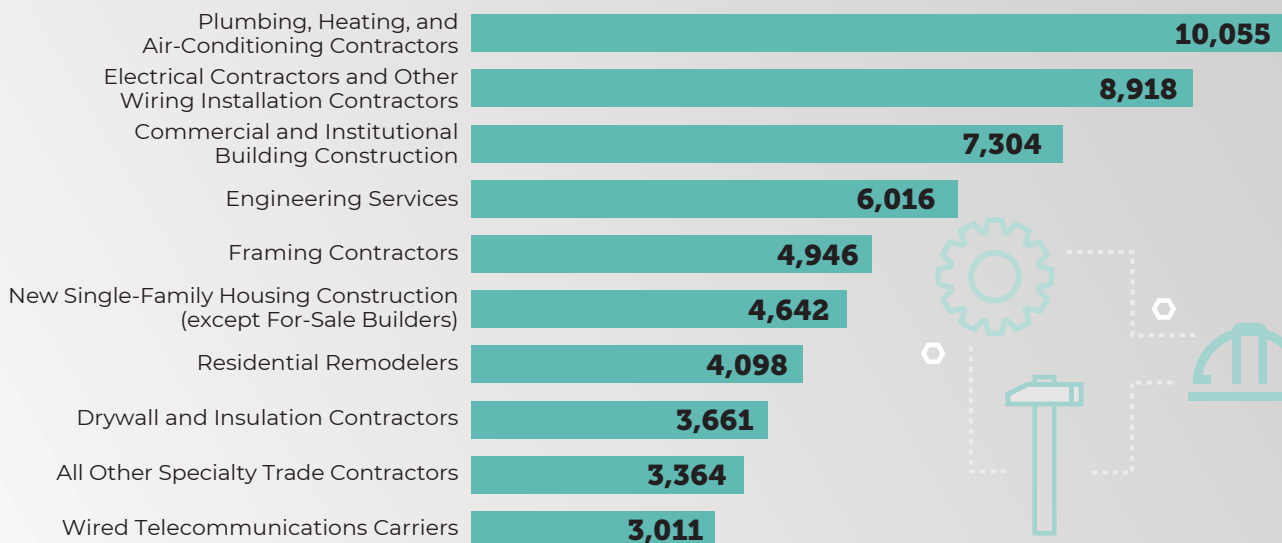
ECU jobs in 2019



**14,800**

additional jobs by 2024

## Industry subsectors with the most ECU jobs

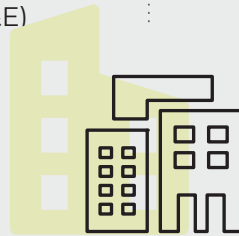


## Top 10 employers posting ECU jobs

Deloitte  
 HD Supply  
 Northstar Incorporated  
 Verizon  
 Sprint  
 Yuba City Unified School District  
 Stantec  
 Pacific Gase and Electric Company (PG&E)  
 AECOM Technology  
 Villara Building Systems



**23,842**  
 ECU job postings,  
 Jan-Dec 2019



## What are employers looking for?

### Hardest-to-fill jobs

Job Title	# of Job Postings	Days to Fill
Water/Wastewater Engineer	39	62
Civil Drafters	23	57
Architectural Drafters	3	57
Surveyors	32	53

### Most in-demand jobs

Job Title	# of Job Postings	Demand
Construction Managers	607	Very High
Electricians	270	Medium
Heating and Air Conditioning Mechanics and Installers	224	Medium
Plumbers	145	Medium
Cost Estimators	120	Medium

### Most desired certifications


















Project Management Certification  
 Licensed professional engineer  
 Electrician certification  
 Project Management Professional (PMP)  
 Forklift operator certification  
 Occupational Safety and Health Administration (OSHA) certification  
 American Board for Engineering and Technology (ABET) accreditation  
 Wastewater treatment plant operator  
 Certified construction manager  
 Leadership in Energy and Environmental Design (LEED) certification

### Most desired skills

Customer service  
 Project management  
 Budgeting  
 Repair  
 Quality assurance and control  
 Lifting ability  
 Construction management  
 Plumbing  
 HVAC  
 Hand tools



## Jobs titles &amp; wages

What jobs can I train for?	How many job openings each year?	How much will I earn per hour?			Educational Level
		Entry-Level 10th percentile	Median 50th percentile	Experienced 90th percentile	
Power Plant Operators	26	\$41	\$54	\$71	
Electrical Power-Line Installers and Repairers	74	\$38	\$53	\$65	
Construction Managers	334	\$30	\$48	\$78	
Construction and Building Inspectors	96	\$29	\$40	\$60	
Water and Wastewater Treatment Plant and System Operators	76	\$23	\$35	\$52	
First-Line Supervisors of Construction Trades and Extraction Workers	646	\$23	\$35	\$54	
Operating Engineers and Other Construction Equipment Operators	355	\$21	\$31	\$48	
Architectural and Civil Drafters	99	\$19	\$32	\$46	
Electrical and Electronics Engineering Technicians	135	\$17	\$32	\$48	
Cement Masons and Concrete Finishers	289	\$17	\$24	\$36	
Plumbers, Pipefitters, and Steamfitters	577	\$17	\$28	\$48	
Carpenters	1,655	\$17	\$26	\$38	
Solar Photovoltaic Installers	63	\$16	\$23	\$36	
Telecommunications Equipment Installers and Repairers, Except Line Installers	286	\$16	\$29	\$40	
Glaziers	142	\$15	\$24	\$41	
Sheet Metal Workers	110	\$13	\$24	\$45	
Drywall and Ceiling Tile Installers	222	\$12	\$24	\$42	



## What training is available?

### Community College programs

Architectural Drafting

Architecture and Architectural Technology

Carpentry

Civil and Construction Management Technology

Construction Crafts Technology

Construction Inspection

Drafting Technology

Drywall and Insulation

Electrical

Energy Systems Technology

Environmental Control Technology

Water and Wastewater Technology



## Where can I get training?

### Local Community Colleges



[coecc.net](http://coecc.net)



[ccco.edu](http://ccco.edu)



[nfnrc.org](http://nfnrc.org)

Source: California Community Colleges Chancellor's Office Management Information System, DataMart

The COE has created 20 priority sector profiles for the Greater Sacramento (North) and the Far North subregions to inform planning and investment in Career Education under the Strong Workforce Program and the California Community Colleges Chancellor's Office Economic and Workforce Development Division. Regional summary profiles contain data definitions and methodology. The Greater Sacramento (North) region consists of seven counties: Sacramento, El Dorado, Placer, Nevada, Yolo, Yuba, and Sutter.

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