

ENERGY, CONSTRUCTION, & UTILITIES

San Diego County



DID YOU KNOW?

Programs in this sector train students in architecture, engineering, electrical, mechanical, and construction roles. The majority of “clean energy” companies in San Diego and Imperial Counties specialize in energy efficiency for buildings and renewable energies such as solar power.



6% (8,662)

5-year projected
job growth



\$89,639

average earnings
per job



Sample of Local Employers

AECOM San Diego
Borrego Energy, LLC
City of San Diego
Public Utilities
Department
Clark Construction
EDF Renewables
North America
KB Home
McCarthy Building
Companies
Parsons Corporation
PulteGroup, Inc.
Rick Engineering Co
SDG&E
Sempra
Shea Homes
Turner Construction
Company

ESSENTIAL SKILLS:

- Inspecting and repairing machines and equipment
- Monitoring processes and operations
- Active listening
- Speaking, writing skills
- Working with others
- Organizing, planning, and prioritizing work
- Working with technology
- Using math to solve problems
- Critical thinking
- Working with your hands
- Working outdoors
- Using hand and power tools
- Detail oriented
- Management skills

SPECIALIZATIONS:

- Carpenters
- Plumbers
- Roofers
- Solar Installers

**Labor market data derived from EMSI 2021.03; QCEW, Non-QCEW, Self-Employed; 2020-2025 projections.*



CAREER PATHWAYS & SALARY INFO

Minimum Education	Career Pathways	Hourly Rate (Salary)*
HS Diploma + Postsecondary Training (e.g., Certificate)	Septic Tank Servicers and Sewer Pipe Cleaners	\$18 (\$37K)
	Carpenters	\$21 (\$44K)
	Plumbers, Pipefitters, and Steamfitters	\$23 (\$48K)
	Construction and Building Inspectors	\$27 (\$56K)
	First-Line Supervisors of Construction Trades and Extraction Workers	\$32 (\$67K)
Associate Degree or Higher	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$22 (\$46K)
	Construction Managers	\$24 (\$50K)
	Architectural and Civil Drafters	\$27 (\$56K)
	Electrical and Electronic Engineering Technologists and Technicians	\$29 (\$60K)
	Architects, Except Landscape and Naval	\$34 (\$71K)

*Entry-level hourly rates have been rounded up and salaries are provided as examples of what workers would make if they worked full-time (2080 hours a year)

NOT SURE WHAT YOU'RE INTERESTED IN?

Take the Interest Profiler on the California Career Zone (<https://www.cacareerzone.org/>)! It will help you explore goals based on your interests. A career counselor at your school can help you further assess your career interests.

HOW TO FIND OUT MORE ABOUT CAREERS

- Talk to your teachers and counselors about career exploration, career pathways at your school, and community college career education programs.
- Talk to family, neighbors, and mentors about their education path and about how they chose their career.
- To learn more about the career education programs offered at the community colleges or to find the programs that align to the high school CTE pathways or adult schools, visit <https://careered.org/k14-program-finder/>.



Visit [CareerEd.org](https://www.careered.org) to find community college programs in Energy, Construction, & Utilities.