

ENERGY, CONSTRUCTION, & UTILITIES

San Diego County 2022



DID YOU KNOW?

Programs in this sector train you 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. 70% of students who graduated from the Community Colleges in San Diego and Imperial Counties’ Energy, Construction and Utilities programs in 2018 attained living wages.



3% (4,440)

5-year projected
job growth



\$89,316

average earnings
per job



Sample of Local Employers

AECOM Technology
Corporation

EDF Renewable
Energy

EMCOR Group

Flatiron Construction

HD Supply

Horizon Solar Power

Renovate America

San Diego Gas &
Electric

Sempra Energy

Solar Turbines

ECOSUN -
Aquatherm
Industries, Inc.

ARE YOU INTERESTED IN...?

- Working with state-of-the-art technology and machines
- Balancing energy needs with environmental concerns
- Learning a practical trade that is transferable to any location
- Being part of a sector with a global impact
- Using math to solve community and global problems

DO YOU...?

- Enjoy building things and working with tools
- Dream of creating a city skyline
- Want to build massive infrastructures that connect and support our world
- Follow directions
- Prefer working outdoors
- Work on a project until all the pieces fit together
- Work with your hands



CAREER PATHWAYS & SALARY INFO

Minimum Education	Career Pathways	Hourly Rate (Salary)*
HS Diploma + Postsecondary Training (e.g., Certificate)	Carpenters	\$26 (\$54K)
	Plumbers, Pipefitters, and Steamfitters	\$28 (\$58K)
	Electricians	\$29 (\$60K)
	Construction and Building Inspectors	\$34 (\$71K)
Associate Degree or Higher	Civil Engineering Technologists and Technicians	\$27 (\$56K)
	Electrical and Electronics Drafters	\$29 (\$60K)
	Architectural and Civil Drafters	\$31 (\$64K)
	Electrical and Electronic Engineering Technologists and Technicians	\$36 (\$75K)

*Median hourly rates are provided here because once apprentices finish their training, they make median wages. These wages 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/ip/>)! 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 find the programs at the community colleges that align to the high school CTE pathways, visit <https://programfinder.com/>.
- To learn about the career education programs offered at the community colleges, visit <https://careered.org/college-program-finder/>.



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