

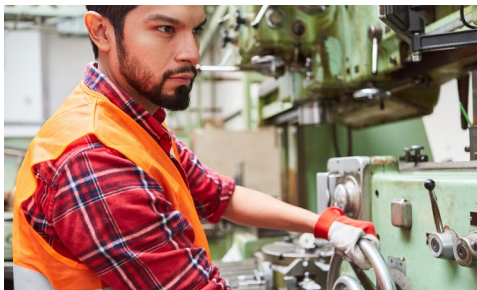
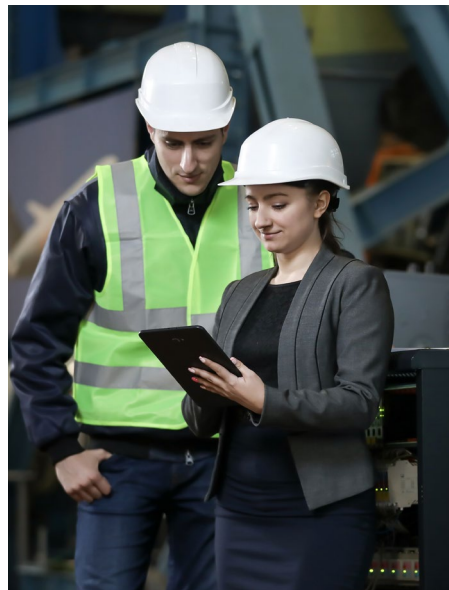
# ADVANCED MANUFACTURING

San Diego County 2022



## DID YOU KNOW?

San Diego County's Advanced Manufacturing sector includes aerospace, maritime, clean technology, biomedical devices and products, pharmaceuticals, sporting goods, beverage and precision manufacturing.



**1% (573)**

5-year projected  
job growth



**\$100,281**

average earnings  
per job

## ARE YOU INTERESTED IN...?

- Working with your mind and hands to bring product designs to life
- Using STEM skills to build innovative products and find solutions to complicated technological problems
- Learning practical skills that are in demand no matter where you live
- Gaining firsthand experience in new and smart manufacturing technologies
- Applying scientific and technical principles to optimize manufacturing technologies, processes and system

## DO YOU...?

- Like to work collaboratively in a fast-paced environment
- Have complex problem-solving skills
- Have innovative ideas
- Analyze and think critically
- Have a strong work ethic
- Like interesting and challenging work



## Sample of Local Employers

BAE Systems

Cymer Incorporated

General Atomics

GKN Aerospace

Northrop Grumman

Orbital ATK

Teledyne  
Technologies

United Technologies  
Corporation

UTC Aerospace  
Systems



## CAREER PATHWAYS & SALARY INFO

Minimum Education	Career Pathways	Hourly Rate (Salary)*
HS Diploma + Postsecondary Training (e.g., Certificate)	Maintenance and Repair Workers, General	\$17 (\$35K)
	Computer Numerically Controlled Tool Operators	\$17 (\$35K)
	Machinists	\$17 (\$35K)
	Industrial Machinery Mechanics	\$25 (\$52K)
	Structural Iron and Steel Workers	\$26 (\$54K)
Associate Degree or Higher	Civil Engineering Technologists and Technicians	\$23 (\$48K)
	Calibration Technologists and Technicians and Engineering Technologists and Technicians	\$28 (\$58K)
	Electrical and Electronic Engineering Technologists and Technicians	\$28 (\$58K)
	Mechanical Engineers	\$37 (\$77K)

\*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/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 Advanced Manufacturing.