

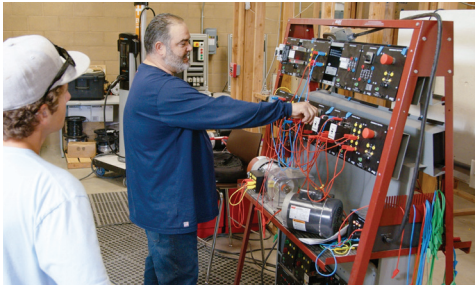
# ADVANCED MANUFACTURING

San Diego County



## DID YOU KNOW?

The Advanced Manufacturing sector plays a significant role in the global economy and continues to evolve as new technologies and sustainable practices emerge. The sector encompasses a wide range of industries and technologies and key industries include aerospace, maritime, clean technology, biomedical devices and products, pharmaceuticals, sporting goods and food & beverage.



**0% (-444)**

5-year projected job growth<sup>^</sup>



**\$99,872**

average earnings per job



## Sample of Local Employers

Cymer Incorporated

Dexcom, Inc.

General Atomics

GKN Aerospace

Hunter Industries

Northrop Grumman Innovation Systems

Quality Controlled Manufacturing, Inc.

SeaSpine, Inc.

Solar Turbines, Inc.

Taylor Guitars

## ESSENTIAL SKILLS:

- Using and maintaining machines and equipment
- Troubleshooting
- Active listening
- Speaking, writing skills
- Working with others
- Organizing, planning, and prioritizing work
- Working with your hands
- Using math and science to analyze information
- Critical thinking
- Working with software
- Detail oriented
- Mechanically minded

## SPECIALIZATIONS:

- Computer Numerically Controlled Tool Operators
- Maintenance and Repair Workers
- Machinists
- Engineers

*\*Labor market data derived from Lightcast 2023.3; QCEW, Non-QCEW, Self-Employed; 2022-2027 projections.*

*<sup>^</sup>Please note that job growth/ decline does not equal labor market demand; demand is represented by annual job openings*



## CAREER PATHWAYS & SALARY INFO

Minimum Education	Career Pathways	Hourly Rate (Salary)*
HS Diploma + Postsecondary Training (e.g., Certificate)	Computer Numerically Controlled Tool Operators	<b>\$18</b> (\$37K)
	Maintenance and Repair Workers, General	<b>\$18</b> (\$37K)
	Machinists	<b>\$20</b> (\$42K)
	Structural Iron and Steel Workers	<b>\$23</b> (\$48K)
	Industrial Machinery Mechanics	<b>\$24</b> (\$50K)
Associate Degree or Higher	Aerospace Engineering and Operations Technologists and Technicians	<b>\$27</b> (\$56K)
	Electrical and Electronic Engineering Technologists and Technicians	<b>\$29</b> (\$60K)
	Civil Engineering Technologists and Technicians	<b>\$31</b> (\$64K)
	Mechanical Engineers	<b>\$37</b> (\$77K)
	Electrical Engineers	<b>\$42</b> (\$87K)

\*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 Advanced Manufacturing.