

ADVANCED MANUFACTURING

INDUSTRY OVERVIEW

This sector uses technology and advanced processes to create goods for consumers and businesses. With high-tech jobs in computers and robotics, Advanced Manufacturing includes diverse industries such as electronics, aerospace, fabrication metals, biotechnology, maritime and more.

Fields:

- Engineering
- Computer or Software
- Drafting and Technician
- Production
- Composites

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Top Five Occupations by Educational Attainment and Median Hourly Wages

HIGH SCHOOL DIPLOMA

- Maintenance & Repair Workers \$19.65
- Welders & Solderers
 \$22.27
- Machinists **\$22.59**
- Computer User Support
 Specialists
- Supervisors of Mechanics

KNOWLEDGE

- Mechanical
- Building and Construction
- Computers and Electronics

\$27.54

\$31.56

- Engineering and Technology
- Telecommunications
- Production and Processing

ASSOC	IATE D	EGREE
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 Chemical T 	echnicians
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- Web Developers
- Mechanical Drafters
- Engineering Technicians
- Computer Network
 Support Specialists

	\$27.93
	\$29.76
ans	\$32.07
	\$35.55

BACHELOR'S DEGREE OR ABOVE

- Computer Programmers
 Mechanical Engineers
 Software Developers
 Computer Hardware Engineers
 \$54.88
 - Electrical Engineers
 \$55.78
 - AB
 - Problem-Solving
 - Information Ordering
 - Deductive Reasoning
 - Inductive Reasoning
 - Written Comprehension
 - Manual Dexterity

Learn more about Knowledge, Skills and Abilities at ONETonline.org/search

SAN DIEGO WORKFORCE PARTNERSHIP

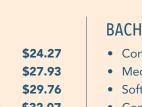
3910 University Ave., 4th floor, San Diego, CA 92105 | Phone: (619) 228-2900 | TDD: (619) 228-2983 | workforce.org SDWP provides equal opportunity for its programs, services and employment. Auxiliary aids and services for individuals with disabilities are available upon request.



Equipment Maintenand

- Troubleshooting
- Programming
- Systems Analysis
- Critical Thinking
- Quality Control Analysis

ABILITIES





Sample of Local Employers

COMPANY NAME	DESCRIPTION	NUMBER OF EMPLOYEES
Quality Controlled Manufacturing, Inc. Est. 1978	Specializes in precision machining of all metals excluding exotic alloys	51 - 200
WD-40 Est. 1953	Produces lubricants, hand cleaners, and household cleaners, including WD-40	201 - 500
D&K Engineering Est. 2000	Specializes in end-to-end research and development, product development, and manufacturing services	201 - 500
Taylor Guitars Est. 1974	Manufactures acoustic and electric guitars	501 - 1,000
General Dynamics NASSCO Est. 1959	Designs, builds and repairs ships for government and commercial clients	1,001 - 5,000

Source: LinkedIn May 2017.



How do I start my career in Advanced Manufacturing?

- Earn an associate degree San Diego City College (sdcity.edu/ManufacturingEngineeringTechnology)
- Bring your ideas to life Fab Lab San Diego (fablabsd.org)
- **Get training** MiraCosta College Technology Career Institute (tci.miracosta.edu/courses-manufacturing.html)
- Find out about paid apprenticeship programs California Division of Apprenticeship Standards (dir.ca.gov/databases/das/aigstart.asp)
- Find an apprenticeship work-study program Advanced Manufacturing & Transportation Apprenticeships of California (amtac-apprentice.org)

Learn more at workforce.org/mycareer