Advanced Manufacturing
A **PRIORITY SECTOR** in San Diego County

San Diego Workforce Partnership

Imagine designing a fleet of automated drones or building a naval ship. Advanced manufacturing combines fields like engineering, computer drafting, biotech and more to design and build our future—everything from medical devices to the thermostat in your smart home.

92,291
People employed

5%
Proportion of jobs within sector in San Diego County

1,831
Number of businesses

How do I start my career?

Do some research
- Use Career Coach at **workforce.org/careercoach** to explore which occupations align with your interests, see a behind-the-scenes peek at what a career looks like and discover local companies.

Expand your network
- Use social media tools like LinkedIn to network with professionals. Request an informational interview to ask people about their career path, education and job responsibilities.
- Attend an event hosted by an industry organization like the **San Diego Makers Guild**.

Get hands-on experience
- Find a maker space like **Fab Lab San Diego** and take a class.

Get training
- Explore opportunities at a community college near you at CareerEd.org. You might consider these ones:
  - → Machine Technology, San Diego City College
  - → Advanced Manufacturing Technology programs, MiraCosta College
- Apply for an apprenticeship in a manufacturing career
  - → For a list of all apprenticeships in the county, search:

  🔍 California Division of Apprenticeship Standards

💡 Advanced manufacturing might look different from what you expect. The delicate nature of many products requires high-tech facilities, special skills and clean facilities.

Subsectors
- Aircraft & ship manufacturing
- Life sciences manufacturing
- Computer, communications & electronics manufacturing
- Other advanced manufacturing

Learn more at **workforce.org/mynextmove**

What can I do?
sample occupations

🎓🎓🎓🎓🎓 Doctoral degree 🎓🎓🎓🎓 Master's or professional degree 🎓🎓🎓 Bachelor's degree 🎓🎓 Associate degree or certificate 🎓 High school diploma or less

Educational levels are typical for each occupation, but various employers may have slightly higher or lower minimum requirements.

FOUND PRIMARILY IN THIS SECTOR

Occupation	Employed 2018[1]	Median hourly pay	Typical entry-level education
Electronics Engineers, Except Computer	2,272	$59	🎓🎓🎓
★ Aerospace Engineers	941	$52	🎓🎓🎓
★ Electrical Engineers	1,201	$49	🎓🎓🎓
★ Mechanical Engineers	1,291	$44	🎓🎓🎓
Electrical and Electronics Engineering Technicians	1,306	$32	🎓🎓
Aircraft Mechanics and Service Technicians	572	$30	🎓🎓
Machinists	2,786	$22	🎓
Computer-Controlled Machine Tool Operators, Metal and Plastic	1,169	$22	🎓

COMMON IN THIS AND OTHER SECTORS

Occupation	Employed 2018[1]	Median hourly pay	Typical entry-level education
★ Software Developers, Systems Software and Applications	3,732	$52	🎓🎓🎓
★ Medical Scientists	251	$49	🎓🎓🎓🎓🎓
Accountants and Auditors	750	$34	🎓🎓🎓
Computer Network Support Specialists	108	$34	🎓🎓🎓
Buyers and Purchasing Agents	1,158	$31	🎓🎓🎓
First-Line Supervisors of Production and Operating Workers	2,319	$30	🎓
Chemical Technicians	247	$23	🎓🎓
Welders, Cutters, Solderers and Brazers	2,045	$23	🎓

[1] Number employed this industry group

★ Priority occupations are predicted to have high growth and a high number of annual job openings in San Diego County over the next five years

Where can I work?
sample employers

Solar Turbines ESTABLISHED: 1927	Provide gas turbine packages and services for oil, gas and power generation industries	**5,001–10,000** employees
Northrop Grumman ESTABLISHED: 1994	Aerospace and defense technology company that provides cyber security, space, strike and logistics assistance to government and commercial customers	**10,000+**
Power Sonic Corporation ESTABLISHED: 1970	Delivers high-quality, high-value products, consulting, and support services in a single package. Industry-leading positions in servers, storage, wired and wireless networking, converged systems, software, services and cloud	**501–1,000**
Acutus Medical Inc. ESTABLISHED: 2011	Develops technologies that help physicians and patients improve results related to heart conditions	**201-500**
Senior Aerospace Jet Products ESTABLISHED: 1965	Produces complex machined rings and ring components in titanium, nickel, cobalt, stainless and aluminum alloys	**51–200**

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