

# Women in Manufacturing Technology Fact Sheet: San Diego City College

## A Hot Labor Market and a Lucrative Career

Manufacturing technicians have great job security thanks to the labor market shortage in San Diego County and California:

San Diego City College (SDCC) has a *new*, one-of-a kind certificate in automated electronics manufacturing technology. With about 2,700 job openings in industrial automation but only around 250 skilled workers to fill them – **approximately 2,450 positions go unfilled every year.**



A 4-course certificate opens the door to a career with pay that starts at \$26.80 per hour (\$55,931 per year) according to the OPM.gov report for San Diego County. SDCC will teach you everything you need to know to start an exciting career in the manufacturing industry – *no manufacturing experience required*. **The course has a 95% job placement rate.** SDCC is trying to help tackle the shortage of techs in the industry by boosting female enrollment – 12 women are currently enrolled in the newest course, the goal is 50% female enrollment.

### San Diego County 2022: Job Titles this Program Leads To

Occupation	Annual Openings	Median Wage/hr.
Electrical / Electronic Engineering Technicians	329	\$33.14
Electrical / Electronic Repairers, Commercial and Industrial	88	\$30.90
Industrial Engineering Technicians	70	\$34.27
Electrical / Electronic Repairers, Powerhouse and Substation	21	\$53.03
Electrical / Electronic Installers / Repairers, Transportation	13	\$27.50

## Being a Manufacturing Electronics Engineering Technician: Nature of the Work

Learn To Operate The Actual Equipment Used In Industry



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Tammy is using a soldering iron to rework and/or repair prototype printed circuit board assemblies used in radios to locate downed US Air Force fighter pilots



Ly is using Design for Manufacturability software to modify a printed circuit board assembly to improve the design for easier manufacturing

Tina is setting up equipment to assemble controllers for diabetes pumps used to prolong the lives of those who live with diabetes



Technicians solve problems and do something new every day. They participate in problem-solving teams, set up and maintain equipment, work with inspection and test equipment in the automated environment, and improve the manufacturing process and product.

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## Female Role Models



- **Mayra Rodriguez was working in customer service for a manufacturing company and wanted to improve her career prospects. When a colleague told her about the Manufacturing Engineering Technology (MFET) program at San Diego City College, she was immediately interested. MFET was outside her comfort zone but she knew she needed to make a change.**

**Mayra is now senior buyer for an engineering company that specializes in additive manufacturing. Her deep knowledge of the manufacturing process is highly valued - she is respected as a subject matter expert and her skill sets in both buying and manufacturing are in high demand. "What really appealed to me was SDCC's Manufacturing Engineering Technology Certificate. It allowed me to advance within my career and from there I just fell in love with the program!"**

- **Role model videos.** SDCC has a collection of videos of women in manufacturing.
- **Women in Manufacturing in San Diego.** WiM San Diego is a community of women who support women working manufacturing through networking events and interactive programs. They are part of a wider international organization that has local chapter meetings and an annual conference. Student memberships are \$35 per year.

## What education do I need to become a manufacturing technician and how can SDCC help?

- **Certificate or an associate's degree in manufacturing technology.**
- **Learn through hands-on Projects** in a lab that's fully-equipped with the latest equipment. Receive industry-based training from instructors who are from the manufacturing industry *that leads to a job*.
- **Programs range from 1 semester to 2 years long.** Day and evening classes available. Many courses are available online and students may attend full-time or part-time.
- **Earn while you learn.** After a few courses many students are can be hired in the manufacturing field, working while they finish their education for improved advancement opportunities.
- **Scholarships/Financial aid.** Many students can have their tuition paid for with scholarships and financial aid – lack of money is no barrier to participation.
- **Fall 2022 classes start August 22.**

## Next Steps for Women Interested in Manufacturing Technology

- ⇒ **Fill out SDCC's Women in Manufacturing Technology Student Interest Survey**  
<https://www.surveymonkey.com/r/sdcc/womenmanufacturing>
- ⇒ **View WSCC's Women in Manufacturing Technology Webpage**  
<https://womentech.iwitts.org/sdccwomenmanufacturing>
- ⇒ **Watch the San Diego City College Women in Manufacturing Technology Webinar on You Tube**
- ⇒ **Apply – Contact Kenny Heifner, Professor, Manufacturing Engineering Technology,**  
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