

Why choose this career pathway?

Three-D printing. For students in Computer Aided Drafting and Design (CADD), it is more than the hottest new career on YouTube; it is something they use as an integral part of their work.

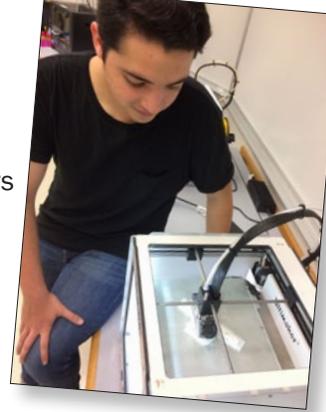
In addition to learning to program and use state-of-the-art technology like 3D printing (or additive manufacturing), CADD students become skilled drafting technicians prepared to enter the workforce in a variety of career fields. Students completing our program develop foundational skills in blueprint reading and architectural drafting, along with specialized skills in computer-aided design and three-dimensional drafting.

The average Computer Aided Design Drafter in San Diego County can expect to earn approximately \$26 per hour to start, with a median income of \$50k+. What's more, students with an Associate's Degree or Certificate of Achievement in CADD who transition into construction management positions receive significantly higher salaries.

Most CADD graduates work in office settings, and nearly half work in architectural and engineering firms. Architectural drafters work with architects and designers preparing drawings necessary to build structures. Mechanical drafters work with mechanical engineers and designers to prepare drawings of machinery and mechanical devices. Aerospace drafters do the same for manufacturing aircraft. Electrical drafters prepare wiring and layout diagrams, and civil drafters prepare drawings and topographical maps for projects such as highways, bridges, and pipelines.

Making a difference

Architects and engineers have been around for a long time and skilled drafters and designers have, through the years, brought the best plans and ideas to life through the drawings they make using instructions from architects and engineers. Now they use 3-D printing to make sure the parts fit and work properly. It is an amazing field to check out or pursue. And Cuyamaca College is helping students gain the skills to be the best in the field of additive (3-D) manufacturing.



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CADD Technology



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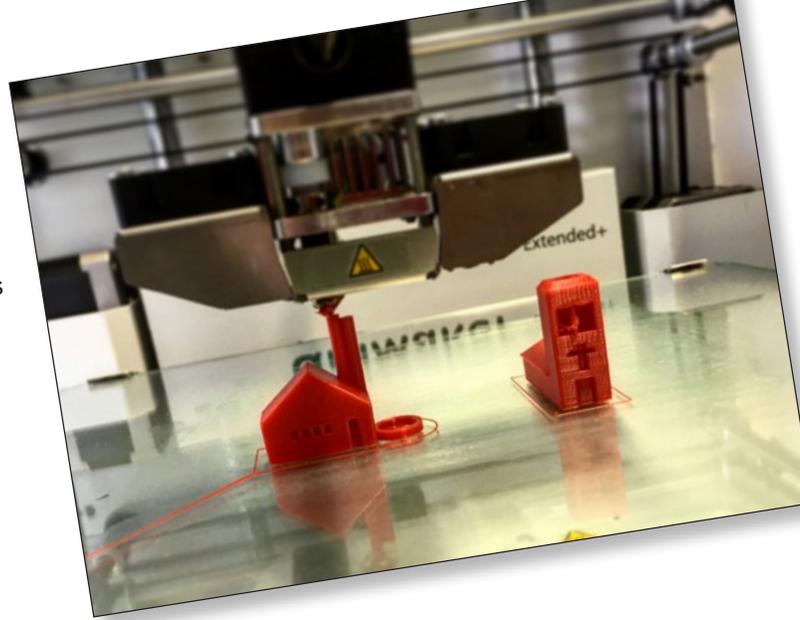
C U Y A M A C A
· C O L L E G E ·

CADD Technology

From tableware to robots, someone designed virtually every household and business tool we use, and drafters are an integral part of the design process.

Computer-aided design and drafting technicians create the technical drawings and plans used in construction and manufacturing, making graduates of Cuyamaca's CADD Technology pivotal players influencing our environment.

Our two-year Associate of Applied Science program provides students with a foundation for a CADD career, imparting the skills needed to advance into a broad range of drafting and design occupations.



How Do I Apply?

- ✓ First, find more information about this program at <http://www.cuyamaca.edu/academics/departments/cadd-surv/cadd>.
- ✓ Complete an online application.
- ✓ View the online orientation.
- ✓ Set an appointment with the CADD Technology Coordinator to discuss career and major options in CADD.
- ✓ Set an appointment with a counselor to create an education plan focusing on CADD Technology.

Career Opportunities Include

- Architectural CADD Technician
- CADD Technician for Civil Engineering
- CADD Technician for Electronics
- Mechanical CADD Technician
- CADD Technician for Structural Engineering
- Surveying CADD Technician
- Aeronautical or Aerospace drafters
- Pipeline drafters

Degrees and Certificates in CADD Technology

- CADD Technology

What Our Students Are Saying



I originally went to college to become an embalmer, but after a break to be a stay-at-home mom, my husband needed help with our growing East County fabrication business. I knew nothing about metal fabrication but I do know computers, so he suggested I take classes in Computer Assisted Drafting and Design (CADD) to help operate our plasma cutting table. I was completely out of my element my first semester, but the teachers and lab assistants are amazing and always eager to help. I recommend taking any of the computer aided programs here at Cuyamaca College. Dr. Saghafi is an excellent teacher and pushes everyone to succeed. Now I find myself helping other beginning students and look forward to completing my AA next year.

Michelle Tyrrell



I am 51 years old. I have a B.S. in Business Administration; spent nearly 15 years in the US Navy; was a private security officer; and studied to be a minister--all by the time I was 40. When someone suggested that since I once enjoyed drafting and excel with computers, I might like AutoCAD, I wasn't sure I wanted to take the time to re-educate myself. However, I enrolled in CADD classes at Cuyamaca College and from my first class in AutoCAD, I loved it! CADD engaged my brain, while allowing me to solve problems.

This may sound a bit weird coming from a man of my age, but I look forward to each class. I am an assisting member of the extensive 3D printing lab at Cuyamaca, and look forward to a career using this new education and experience.

Bryan Monks