

What can I do with this major: Advanced Manufacturing

Advanced manufacturing is defined by manufacturing.gov as “the use of innovative technologies to create existing products and the creation of new products, including production activities that depend on information, automation, computation, software, sensing, and networking”.

The certificate program includes coursework to help prepare students for CAD use in industry. Students who complete this program will have the necessary skills to be employed by industry and in a variety of positions.

Certificates offered at AVC

- ❖ [Computer Aided Drafting in CATIA/3D](#) (non-transferable)
- ❖ [Computer Aided Drafting in SolidWorks](#) (non-transferable)
- ❖ [Computer Aided Drafting and Manufacturing](#) (non-transferable)
- ❖ [Computer Aided Manufacturing](#) (non-transferable)
- ❖

Work Industries and Employers

- | | |
|----------------------------|----------------------------|
| ❖ Manufacturing Plants | ❖ Welding Shops |
| ❖ Pharmaceutical Companies | ❖ Automotive Shops |
| ❖ Aerospace | ❖ Construction |
| ❖ Consulting Firms | ❖ Healthcare Supply Chains |

Possible Job/Career Titles

- ❖ Fabricator
- ❖ Installer
- ❖ Machine Worker
- ❖ Metal Worker
- ❖ Machinist
- ❖ Tool and die makers

The information reflected is intended to act as a tool for exploration. Please visit the [Career Center](#) for more specific information on majors and careers



Next Steps...

Connect with Professional Associations

Associations are a group of people who come together for a common purpose. You can find helpful information about jobs and careers.

- ❖ [National Association of Manufacturers \(NAM\)](#)
- ❖ [California Manufacturers and Technology Association](#)
- ❖ [American Gear Manufacturers](#)
- ❖ [National Marine Manufacturers Association](#)
- ❖ [Many more...](#)

Develop your Skills and Experience

- ❖ Jobs and Internships ([College Central Network](#))
- ❖ [Nuts Bolts and Thingamajigs](#)
- ❖ [Fab Tech](#)
- ❖ The [Fabricator](#)
- ❖ [FMAMEG](#)
- ❖ [Scholarships](#)

Find CSU/UC Major Preparation (BA/BS)

- ❖ <https://www.transferbound.com/>
- ❖ <https://assist.org/>

View Additional Information

- ❖ [Occupational Outlook Handbook](#)
- ❖ [Candid Career Videos](#)
- ❖ [Assist](#): Student Transfer Information System
- ❖ [ONET](#) OnLine: Job and Career Exploration
- ❖ [LinkedIn Alumni Tool](#)
- ❖ [Transfer Schools](#)