

# Manufacturing Technology – CAD/CAM Certificate of Specialization

+If you have completed coursework at another college and/or are starting in a semester other than a Fall term, please follow up with the Counseling Department to determine if this sequence is appropriate for your academic and career goals.

## Program Description:

This certificate prepares students on CAD/CAM training using MASTERCAM specifically used in the automotive, aerospace, and manufacturing industries. Upon completion of the certificate, students will be able to work in the automotive, aerospace, and manufacturing industries as a CAD/CAM design engineer, machinist, CNC operator, or CNC programmer.

## Program Student Learning Outcome:

Students will be able to demonstrate proficiency in the core CAD/CAM skills and knowledge required for a variety of manufacturing industries.

**Important Information:** For students interested in earning an Associate's degree and/or transfer, please follow up with the Counseling Office for additional information @ <https://www.canyons.edu/counseling> or (661)362-3288/(661)362-3811.

Major courses are sequenced and **BOLDED** based on recommendations by the [Manufacturing Technology Department](#).

## First Semester (3-6 units minimum)

FA = Fall; WI = Winter; SP = Spring; SU = Summer

Course	Title	Units	Major Courses
<b>First 8 Weeks of Term</b>			
<b>MFGT 131</b>	<b>CAD/CAM I (FA, SP) Planned for Fall 2023</b>	<b>3</b>	<b>Major</b>
<b>Second 8 Weeks of Term</b>			
<b>MFGT 132</b>	<b>CAD/CAM II (FA, SP) Planned for Fall 2023</b> <i>NOTE: MFGT 131 is a pre-requisite</i>	<b>3</b>	<b>Major</b>
	<b>Term Totals:</b>	<b>6</b>	

**Total Units: 6**

## Counseling Resources

Department Website: <https://www.canyons.edu/academics/manufacturing/>

Counseling Department: <https://www.canyons.edu/student-services/counseling/index.php>

Petition for Certificate of Specialization: Petitions are due in the fall/spring/summer term you will complete the requirements and may be submitted before your last term or up until the final day of the term. Petitions must be reviewed with a counselor and may be downloaded here: <https://www.canyons.edu/student-services/admissions/records/forms.php>

## Career Resources

California Career Zone: [www.cacareerzone.org](http://www.cacareerzone.org)

O\*Net Online: [www.onetonline.org](http://www.onetonline.org)

Bureau of Labor and Statistics: [www.bls.gov](http://www.bls.gov)

Occupational Outlook Handbook: <https://bls.gov/ooh>