

# Manufacturing Fundamentals - 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 provides students training in non-CNC machining applications 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 an entry-level machinist.

## Program Student Learning Outcome:

Students will be able to demonstrate proficiency in non-CNC machining 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 (0-9 units minimum) FA = Fall; WI = Winter; SP = Spring; SU = Summer

Course	Title	Units	Major Courses
<b>MFGT 090</b>	<b>Measurements and Computations (FA, SP)</b>	<b>3</b>	<b>Major</b>
<b>MFGT 112</b>	<b>Introduction to Manufacturing Technology (FA, SP)</b>	<b>3</b>	<b>Major</b>
<b>MFGT 113</b>	<b>Machining Fundamentals (FA, SP)</b>	<b>3</b>	<b>Major</b>
	<b>Term Totals:</b>	<b>9</b>	

**Total Units: 9**

## 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>