

CPTC CAREER PATHWAYS Manufacturing Technologies

Career Cluster:

CAREER OPPORTUNITIES

Manufacturing Technologies

Provides students with the knowledge and skills necessary for employment in the manufacturing/metalworking industry as a machinist, machinist apprentice, or machinist helper.

Responsible for setting up and operating conventional machine tools and CNC (Computer Numerical Control) machine tools.

Advanced students will be proficient in programming, setting up, and operating CNC machining centers. Students will develop proficiency in blueprint reading, shop math, precision measuring, CAD/CAM (Computer-Aided Drawing & Computer-Aided Machining), and CNC (Computer Numerical Control) turning centers and milling machines.

STARTING CONSIDERATIONS

[Apply to Clover Park Technical College](#)

STARTING OPTIONS

- Still in high school
 - [Dual credit courses](#)
- Other students:
- High School Diploma / Some College
 - [GED](#), [ESL](#), Adult Basic Skills (ABE)
 - 1st Career / 2nd Career
 - Seeking Professional Credentials
 - [Continuing Ed](#)
 - [E-Learning](#) (online instruction)

FOR MORE INFORMATION

Contact the Manufacturing Technologies Department:

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ENTRY-LEVEL CERTIFICATE OPTION

Machinist Helper

- 1 quarter program
- [Dual Credit Articulation Agreements](#)
- Hands-On Training with CAD/CAM and CNC machining

CERTIFICATE OPTION

CNC Programmer/CATIA Certificate

- 3 quarter program
- Hands-On Training with CATIA, CAD/CAM and CNC machining

ENTRY-LEVEL CERTIFICATE OPTION

Machinist Apprentice

- 4 quarter program
- [Dual Credit Articulation Agreements](#)
- Hands-On Training with CAD/CAM and CNC machining

ASSOCIATE DEGREE

AAT & AAS-T

- 6 quarter program, Full-time options
- [Dual Credit Articulation Agreements](#)
- Hands-On Training with CAD/CAM (Computer-Aided Drawing & Computer-Aided Machining), and CNC (Computer Numerical Control) Machining

EMPLOYMENT AND WAGES

[Machinist Apprentice](#)

[Machinist Helper](#)

[Numerical Control Machine Operator](#)

[Tool and die Maker](#)

EMPLOYMENT AND WAGES

[Machinist - Journeyman Level](#)

Entrepreneurship Opportunities