

Program Learning Outcomes

<i>College/School</i>	Ozark
<i>Department</i>	Trades and Technology
<i>Program</i>	CP Machinist Operations
<i>Link to Program Home</i>	https://www.atu.edu/catalog/ozark/programs/ics/certprof-machinist.php

The Machinist Operations curriculum provides courses that include fundamental theories and principles, as well as hands-on training involving modern manufacturing technologies. This curriculum prepares students to productively perform manufacturing-related tasks, such as: CNC machine setup, operation, and programming; part programming (CAM); maintenance of manufacturing equipment; inspection and testing.

Students who complete this curriculum will be able to demonstrate the following tasks:

Lathe Operator

- Read and interpret blueprints for machine tool applications.
- Perform basic lathe operations.
- Perform advanced lathe operations.
- Demonstrate the personal and professional ethics and interpersonal skills that are expected in the workplace.

Mill Operator

- Perform basic and advanced milling machine calculations.
- Perform basic and advanced milling machine set up.
- Perform basic and advanced milling machine operations.
- Interpret machine tool blueprints, sketches, and drawings.
- Demonstrate the personal and professional ethics and interpersonal skills that are expected in the workplace.