

MILLING MACHINE OPERATIONS I

Pierce County Careers Connection

Dual Credit Articulation Agreement

Upon completion of a high school courses equivalent to the following competencies:

Milling Machine

- Pass machine safety test with 80% accuracy.
- Check milling machine to determine all safety devices are in place and use machine safely.
- Identify milling machine components.
- Name and state purpose of the main operative parts.
- Dial in head and vise within $\pm .002$.
- Measure using micrometers within .0005 inch.
- Measure using vernier calipers within .005 inch.
- Calculate feeds and speeds.
- Mill a block square parallel.
- Perform drilling, tapping and reaming operations.
- Identify and state the purpose of standard milling machine.
- Identify and state purposes of six standard milling cuts.
- Identify and state purpose of four special purpose cutters.
- Mount and remove a cutter.
- Set a cutter to proper depth.
- Machine material within $\pm .002$ square and parallel.
- Complete a class project that demonstrates the skills listed above.

A student earning a “B” grade or better may earn college credit at one of the following colleges:

<u>College</u>	<u>Course</u>	<u>Credits</u>
Bates Technical College	MACH 124	2
Clover Park Technical College	MCH 121	6
	CIP Code: 48.0501	