

Industry Credentials, Concentration Sequences, and Career Clusters

Precision Machining I (8539)

Industry Credentials:

These apply only to 36-week courses.

- CNC Milling and Turning Examination
- College and Work Readiness Assessment (CWRA+)
- Customer Service Examination
- Customer Service Specialist (CSS) Examination
- Machining-Level 1 Examinations
- Manufacturing Specialist Certification Examination
- Manufacturing Technician Level I Certification Examination
- National Career Readiness Certificate Assessment
- Pre-Manufacturing Technician I (PreMT1) Examination
- Precision Machining Assessment
- Professional Communications Certification Examination
- Workplace Readiness Skills for the Commonwealth Examination

Concentration Sequences:

*A combination of this course and those below, equivalent to two 36-week courses, is a **concentration sequence**. A **program completer** is a student who has met the requirements for a CTE concentration sequence and all other requirements for high school graduation or an approved alternative education program. Students wishing to complete a specialization may take additional courses based on their career pathways.*

- Precision Machining Technology II (8540/36 weeks, 280 hours)

Career Clusters, Career Pathways, and Occupations:

- Manufacturing
 - Maintenance, Installation, and Repair
 - Millwright
 - Manufacturing Production Process Development
 - Precision Inspector, Tester, or Grader
 - Production Manager
 - Production
 - Extruding and Drawing Machine Operator
 - Tool and Die Maker

- Quality Assurance
 - Quality Control Technician