



Career and College Promise

Computer Integrated Machining Technology Certificate (C50210-C6)

This pathway is designed to develop the skills in theory and safe use of hand tools, power machinery, computerized equipment and sophisticated precision inspection instruments. Students will learn to interpret blueprints, set up manual and CNC machines, perform basic and advanced machining operations and make decisions that ensure work quality is maintained. Employment opportunities exist in manufacturing industries, public institutions, government agencies, and in a wide range of specialty machine shops.

| Course Code | Course Name | Credit Hours |
|--------------------|---------------------------|---------------------|
| MAC-111 | Machining Technology | 6.0 |
| MAC-131 | Blue Print Reading/Mach I | 2.0 |
| MAC-121 | Intro to CNC | 2.0 |
| MAC-124 | CNC Milling | 2.0 |
| | Total Credit Hours | 12.0 |

Eligibility Requirements

To be eligible for enrollment, a high school student must meet the following criteria:

- a. Be a high school junior or senior;
- b. Have a weighted GPA of 3.0 on high school courses or have the recommendation of the high school principal or his/her designee; and
- c. Meet the testing requirements for the career pathway (if applicable).