**PROGRAM FACT SHEET**

COMPUTER- INTEGRATED MACHININGA50210

The Computer-Integrated Machining curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

##### Awards

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| **Associate Degree:** Computer-Integrated Machining (A50210) | **Length of Program:** 5 Semesters  **Prerequisite:** High School Diploma, Placement Test Equivalent |
| **Diploma:** Manual Machining (D50210) | **Length of Program:**  3 Semesters  **Prerequisite:** High School Diploma, Placement Test Equivalent |
| **Certificate:** Basic Computer-Integrated Machining Certificate (C50210C1) | **Length of Program:** 4 Semesters  **Prerequisite:** High School Diploma, Placement Test Equivalent |
| **Certificate:** Basic Computer-Integrated Machining Certificate (C50210H1) | **Length of Program:** 4 Semesters  **Prerequisite:** Placement Test Equivalent |

**Work-Based Learning Requirements/Opportunities:** For Work-Based Learning education requirements/opportunities please see the appropriate Program Sequencing sheet.

**License or Certification Information:** None Required

**Program Information Contact:**

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| Curriculum Chairperson: Kevin Henry  Telephone Number: (910) 678-0025  Office Location: Lafayette Hall, Room 137A  Email: [henryk@faytechcc.edu](mailto:henryk@faytechcc.edu) | Department Office: Cumberland Hall, Room 334  Telephone: (910) 678-8357  FTCC Web Site: [FTCC Website](http://www.faytechcc.edu/) |

**Application Deadlines:** The program is designed for a student to enter during the fall semester. A student may enter at other times with approval of the Department Chairperson.

**Scholarship/Title IV Financial Aid/VA Services:** Scholarships/Title IV Financial Aid/Veteran's assistance may be available for associate degrees. Certificates and diplomas that fall under this program/area of study **may or may not be eligible** for Scholarship/Title IV Financial Aid/VA Services. Please contact the Financial Aid Office, Student Center, Room 2; Telephone (910) 678-8242. Veterans Services, General Classroom Building, Room 202, (910) 678-8580.

**Child Care Financial Assistance Information:**

Telephone: (910) 678-8486

Revised: 03/26/24