Engineering, Manufacturing & Industrial Technology Pathway

Computerized Manufacturing

▶ Is this course right for you?

If you like computerized design followed by computerized programming of CNC machines and basic machining skills, this program blends the two in a high technology manufacturing environment.

Credits // Certification

- 4th Related Math Credit
- Visual Performing & Applied Arts Credit
- College Credit (Articulation):
  Ferris State University,
  Kalamazoo Valley Community College

Eligibility // Prerequisites

- none

Career Data // Jobs

CAD/CAM programmer, CNC machinist, industrial machine repair, lathe operator, machine operator, machine tool setter, metrology specialist, millwright, part designer, press operator, quality inspector, tool and die maker, tool room specialist

For salary information go to: http://snipurl.com/salaryinfo

"Computerized Manufacturing taught me valuable knowledge about complex machines that are a large part of today's society. The skills that you learn from this class are what employers will look for on your resume. You may even get a job because you have the ability to operate these machines."

- Ethan Richards, Vicksburg High School Alumnus
  Engineering Intern at FEMA

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This exciting, fast-paced pre-engineering course provides advanced technology training in computer-aided design and computer manufacturing systems. All equipment is state of the art including Haas and Mazak CNC machining centers. The course uses CAD software including SolidWorks, Mastercam and KeyCreator. It also features demonstrations and maximizes student laboratory work (80% hands-on).

Students gain planning, organizing and decision-making skills while also developing acceptable attitude, interpersonal and equipment-related skills. Paid co-op opportunities are available to second-year students who are placed at local manufacturers.

Computerized Manufacturing prepares students for immediate employment, advanced schooling and/or apprenticeship opportunities with local area employers.

Students may take this course for three years.