What To Do With
A Major In….

Computer Numerical Technology
Associate’s Degree

Potential Careers

NMU’s Computer Numerical Control Technology (CNC) Program prepares students for employment in the following careers:

Occupations
- CNC Machine Operator
- CNC Machine Programmer
- CNC Technician

Additional Resources and Info

For Career Planning and Opportunities:
Academic & Career Advisement Center
3302.1 C.B. Hedgcock
906-227-2971
103 Jacobetti Complex
906-227-2283
www.nmu.edu/acac

Engineering Technology Department
101 Jacobetti Complex
906-227-2141
www.nmu.edu/engineering

For Job Search, Resume and Career Information:
Career Services
3302.3 C.B. Hedgcock
906-227-2800
www.nmu.edu/careers

For Information about NMU Student Organizations Associated with this Major Contact:
Center for Student Enrichment
1206 University Center
906-227-2439
www.nmu.edu/cse

Internet Resource Links:
www.careers.org
www.careerresource.net

For Career Information with National Organizations:
www.cncci.com CNC Concept, Inc.

Current as of Fall 2015
Provided by:
The Academic & Career Advisement Center
Computer Numerical Control Technology

The Computer Numerical Control Technology provides instruction in the theory, operation and programming of CNC machine tools.

Students in this program learn the basics regarding the machinery handbook, process, and maintenance. Advanced operations courses are taken later into the program.

Skills and Competencies

Like other degrees, you will be exposed to a variety of academic coursework as a Computer Numerical Control Technology major. In the process, you will acquire new skills. Specifically, your communication, analytical, technical, and computer skills will be challenged and strengthened.

Coursework will include advanced Computer Aided Design (CAD), Material Science and Machine Tool courses. Students will have a basic knowledge of manual and computer controlled machining, fixturing and industrial safety. Additionally introductory courses into the Machinery Handbook and basic welding will also be covered.

Course Work

This degree includes the following courses as part of the program requirements, and specific major requirements along with liberal studies and graduation requirements.

**Core**
- MF 133 Machinery Handbook (2 cr.)
- MF 134 Manufacturing Process (4 cr.)
- MF 233 Numerical Control (4 cr.)
- MF 235 Computer Numerical Control (3 cr.)
- MF 263 Advanced CNC Operations (4 cr.)

**Other Required Courses**
- IT 010 Exit Seminar (0 cr.)
- MA 100 Intermediate Algebra (4 cr.) (or higher)
- MET 213 Materials Science I (3 cr.)
- DD 100 Technical Drafting with Introduction to CAD (4 cr.)
- DD 103 Geometric Dimensioning and Tolerancing (2 cr.)
- DD 202 Product Development and Design (4 cr.)
- IT 215 General Industrial Safety (2 cr.)
- WD 140 Introduction to Welding (4 cr.)

Detailed course descriptions can be found at www.nmu.edu/bulletin.

Career Development

You should begin the resume-building process as soon as you can. The Academic and Career Advisement Center can assist you with career planning, while Career Services will help you fine tune your resume and look for jobs related to your field. In the meantime, the more hands-on experience you have, the better the chances are that you will find a job. Becoming involved in a professional related internship is a way to develop your professional skills and gain experience. Your academic course work is important as well, so be sure to maintain a high grade point average.

Additional Considerations

This degree teaches the skills necessary to pursue an entry-level career.

Relevant work experience will be beneficial when applying for positions.

Job Outlook

Employment is supposed to grow by 8 percent through the year 2018, about as fast as average. Growth will be due to the demand for an increase of the use of advanced equipment. The median wage is $20.59/hr with the middle 50% earning between $16.71 and $24.85. While the lowest earn less than $13.61, the highest can earn more than $30.57.