Potential Careers

NMU’s Industrial Technology Program prepares students for employment in the following careers:

Occupations

- Automation Specialist
- Department of Defense
- Manufacturing Supervisor
- Manufacturing Technologist
- NASA
- Quality Control Coordinator
- Sales Representative

For Career Planning and Opportunities:

Academic & Career Advisement Center
3302.1 C.B. Hedgcock
906-227-2971
www.nmu.edu/acac

Engineering Technology Department
101 Jacobetti
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

Society of Automotive Engineers Baja Racing Club

Internet Resource Links:

www.careers.org
www.careerresource.net

For Career Information with National Organizations:

www.atmae.org
The Association of Technology, Management, and Applied Engineering

Current as of Fall 2015
Provided by:

The Academic & Career Advisement Center
Skills and Competencies

You can expect to acquire a solid background in many skill areas as an Industrial Technologies major. The liberal arts program within this degree will expose you to a lot of writing, researching and critical thinking—skills that are necessary critical in today’s job market. In fact, if you pursue an Industrial Technologies-related career, strong communication and coordination skills are absolutely necessary. Leadership skills will also benefit you in this career. Of course, your academic course work will also develop your critical thinking, problem solving, and decision making abilities. You will utilize these skills in a variety of ways in your career.

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
IT 180 Introduction to Fluid Power (3 cr.)
IT 214 Industrial Observation (1 cr.)
IT 215 General Industrial Safety (2 cr.)
IT 265 Total Productive Maintenance (2 cr.)
IT 300 Industrial Supervision (3 cr.)
IT 340 Enterprise Resource Planning (3 cr.)
IT 420 Quality Control (3 cr.)
IT 010 Exit Seminar (0 cr.)
MET 211 Mechanics-Statics (4 cr.)
MET 213 Materials Science 1 (3 cr.)
MF 134 Manufacturing Process (4 cr.)

Other required courses
CH 105 Chemical Principles (4 cr.) or
PH 201 College Physics (5 cr.)
DD 100 Technical Drafting w/ Introduction to CAD (4 cr.)
ET 110 Introduction to Electricity (4 cr.)
MA 104 College Algebra w/ App in Science & Tech (4 cr.)
MA 171 Introduction to Probability and Statistics (4 cr.)
TE 351 Humanity and Technology (4 cr.)

Technical or Contracted Minor (20 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

Good communication skills, coordination and paying attention to detail are beneficial.

The ability to manage tasks and supervise people in a business without being biased will prove essential. Internships, coops and volunteer positions are excellent way to obtain experience in these areas.

Job Outlook

Employment opportunities and salary for graduates with Industrial Technologies degrees varies with the technical concentration in the minor. Generally pay and demand follow that of the technical area but with increased potential due to the increased skills and advanced degree.