



WHAT TO DO WITH A MAJOR IN...

INDUSTRIAL TECHNOLOGY

Description of Major

The Bachelor of Science in Industrial Technology prepares students for supervisory and management positions in the production, automation, maintenance, or logistics areas of industry. Students receive an excellent background in science, mathematics, design, and human relations. This is coupled with the practical use of both manual and automated machinery and the associated tools, as well as knowledge of industrial manufacturing processes, materials, and logistics. Students can specialize in specific areas by selecting from three concentrations: Industrial Automation, Industrial Distribution, and Manufacturing & Maintenance Management. Industrial Software, such as Maintsmart, AutoCad, Inventor, Inventor HSM, Automation Studio and Rockwell Automation, is used in teaching of labs and classes.

Possible Job Titles

Note: This list is not comprehensive, and some positions may require further education or training.

Aircraft Mechanics and Service Technician	Manufacturing Engineer
CAD Technician	Manufacturing Machine Setter
Career Technical Teachers, Secondary and Middle School	Mining Machine Operator
Electrical and Electronics Repairers, Commercial and Industrial Equipment	OSHA Officer
Electronic Publishing & Imaging	Pre-Press Technician
General and Operations Managers	Production Managers
Human Resources Manager	Project Manager
Industrial Machinery Mechanics	Sales Representative, Manufacturing
Industrial Safety and Health Engineer	Shipping Receiving Traffic Clerk
Maintenance and Repair Worker	Training and Development Specialist
Manufacturing and Engineering Technologist	Vocational Education Teachers, Postsecondary
	Welding Machine Setter

The following links are excellent resources on specific careers such as those listed above:

- **O-net:** <http://online.onetcenter.org/>
- **Occupational Outlook Handbook:** <https://www.bls.gov/ooh/>

The following links are an excellent resource for a variety of professional organizations within Industrial Technology:

- Association of Technology, Management, and Applied Engineering: <http://atmae.org/>
- Association of Computing Machinery: <https://www.acm.org/membership/about-acm-membership>
- Computing Technology Industry Association (CompTIA): <https://www.comptia.org/home>

Possible Employment Settings/Fields

Automotive Industry	Industrial Sales Companies
Computer Applications CAD/CAM	Management
Distribution/Logistics	Manufacturing Facilities
Electronics and Automation	Economic and Community Development
Electronics Distributors	Quality Control
Energy Companies	Ship Building Companies
Human Resources	

Strategies for Success

- Complete a co-op or internship.
- Minor in Business Administration or Marketing
- Prepare for graduate school if an advanced position is desired.
- Develop excellent oral and written communication skills.
- Strengthen computer skills.
- Schedule informational interviews with recent graduates, professors, and other career professionals.
- Gain valuable experience through co-op programs, internships, job shadowing, part-time jobs, and/or volunteer work.
- Develop and use good networking skills in preparation for life after college.

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