Welcome

The Industrial Technology (INDT) degree will provide you with a well-rounded plan of study that prepares you for a broad range of technical positions within business, and industry. INDT graduates have the good educational foundation that allows them to become a valuable asset to the employer. Our graduates get a good broad-based technical education that combines program specific course work with general education skills in communication, mathematics and science. Technical classes provide our students with both technical theory and hands-on practical experience. Our modern labs provide a superior hands-on experience for our students.

In the Industrial Technology program, you will find student-oriented faculty who are experts in their field. They combine both a wide range of work experience and academic achievement that enables them to provide an exceptional classroom and lab environment.

The job outlook is very promising for graduates with the INDT degree.

- Many entry-level positions for industrial technologists will occur as automation and modernization continue to be applied in business and industry.
- With good job growth and numerous expected retirements, heating, air-conditioning, and refrigeration mechanics and installers should have excellent employment opportunities.
- Job prospects for heating, air-conditioning, and refrigeration mechanics and installers are expected to be excellent, particularly for those who have completed training from an accredited technical school. — Bureau of Labor Statistics 2008-09

Mark Esch-Williams
Industrial Technology
Assistant Professor
Phone: (812) 330-6054
mesch@ivytech.edu

Industrial Technology Curriculum and Course Descriptions

Curriculum for Industrial Technology varies based on the degree or certificate and is subject to change.

Go to ivytech.edu/bloomington and click on Academics and then Industrial Technology to find recommended course curriculum and course descriptions.
Overview

The Industrial Technology program is designed to prepare you for the modern industrial environment. In world class manufacturing facilities, CNC machines and automated equipment fabricate industrial and consumer products. Working in the modern manufacturing facility requires highly specialized skills in industrial maintenance, welding, and HVAC.

Careers in Industrial Technology

- HVAC Specialist
- Industrial Maintenance
- Industrial Technologist
- Quality Manager

Employment and Salary

Visit the official career site of the State of Indiana: www.indianacareerconnect.com

Also visit the U.S. Department of Labor’s Bureau of Labor Statistics for salary and employment information: www.bls.gov

Industrial Technology Degrees & Certificates

ASSOCIATE OF APPLIED SCIENCE (AAS) DEGREE

Concentrations
- Heating, Ventilation and Air Conditioning (HVAC)
- Maintenance

Two-year Associate of Applied Science degree programs prepare students for careers, career changes and career advancement. AAS programs may also prepare students for transfer to four-year institutions. The program content, which is approximately 30 percent general education, provides depth and breadth in conceptual and professional/technical skills. Professional/technical courses equip students with the skills to obtain employment and to advance in the workforce.

CERTIFICATE

Certificates are sequences of technical and professional courses. They provide access to targeted, short-term workforce training, and completers may sit for specific certification exams. Certificate programs generally take less than one year to complete.

TECHNICAL CERTIFICATE

One-year Technical Certificate programs provide education in conceptual and technical skills for specific occupations. Each program contains a sequence of required courses in a recognized concentration within a program.

Concentrations

Heating, Ventilation and Air Conditioning (HVAC):
This concentration will prepare you to install and repair heating, air conditioning, refrigeration, and ventilation systems.

Maintenance:
This concentration will provide you with a broad range of skills applicable to a variety of jobs in the industrial environment. You will be prepared to install, repair, maintain, and troubleshoot industrial machinery and equipment such as pumps, motors, PLC technology, pneumatic and hydraulic systems, industrial robotics, and production machinery.

Accreditation

The Industrial Technology program is accredited by the National Association of Industrial Technology (NAIT).