

## 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.

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### Ivy Tech Community College - Bloomington

#### Admissions:

888-IVY-LINE  
(888-489-5463)

[www.ivytech.edu](http://www.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 [www.ivytech.edu](http://www.ivytech.edu) and click on **Academics** to find recommended course curriculum and course descriptions.



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Bloomington, IN 47404

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SCHOOL OF TECHNOLOGY

## INDUSTRIAL TECHNOLOGY

IVY TECH COMMUNITY COLLEGE  
BLOOMINGTON





## 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

**Accreditation**  The Association of Technology, Management, and Applied Engineering (ATMAE).  
LEAD • INNOVATE • COLLABORATE

The Design Technology program is accredited by The Association of Technology, Management, and Applied Engineering (ATMAE).

# Industrial Technology Degrees & Certificates

## ASSOCIATE OF APPLIED SCIENCE (AAS) DEGREE

### Elective Focus Areas

- 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.

## CERTIFICATES

### Certificates (31-33 credit hours)

- Fluid Power
- Heating and Air Conditioning
- Industrial Electrician

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.

## Elective Focus Areas

### 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.

## Certificates

### Fluid Power

Upon completion leads to Fluid Power Certification, employment, and/or completion of an associate degree

### Heating and Air Conditioning

Upon completion leads to preparation for the EPA Certification, employment, and/or completion of an associate degree.

### Industrial Electrician

Upon completion leads to preparation for the National Electrical Code Certification for Licensed Electrician, employment, and/or completion of an associate degree.

