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, welders and maintenance technicians should have excellent employment opportunities.

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/industrial-technology to find recommended course curriculum and course descriptions.

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Lafayette, IN 47905

Phone (765) 269-5149

For more information email the School of Technology
lafayette-sot@lists.ivytech.edu

Ivy Tech Community College - Lafayette
Admissions:
888-IVY-LINE
(765-269-5200)
www.ivytech.edu
Industrial Technology Degrees & Certificates

ASSOCIATE OF APPLIED SCIENCE (AAS) DEGREE

**Elective Focus Areas**
- Maintenance
- Welding

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 (18 credit hours)**
- Fluid Power
- HVAC
- Industrial Electrician
- Welding
- Machine Tool

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

**TECHNICAL CERTIFICATES (31-35 credit hours)**
- Maintenance
- Welding

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.

### Elective Focus Areas

**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.

**Welding:**
This concentration will provide you with a broad range of skills applicable to a variety of welding jobs in the manufacturing, construction and fabrication industries. You will be prepared to weld using shielded metal arc, MIG and TIG processes using the latest welding technology. In addition, training in robotic welding processes and oxy-fuel welding and cutting will be covered.

### Certificates

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

**Industrial Electrician**
Upon completion leads to the National Electrical Code Certification for Licensed Electrician, employment, and/or completion of an AS degree

**Structural Welding**
Upon completion leads to the American Welding Society (AWS) certification, and/or completion of an AS degree

**Machine Tool**
Upon completion leads to the National Institute of Metalworkers Skills (NIMS) certification, and/or completion of an AS degree

### 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
- Industrial Maintenance
- Industrial Technologist
- Welding Technician
- CNC Operator
- Quality Manager
- CNC/CAM Specialist

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