Welcome

Ivy Tech - Bloomington appreciates your interest in the Engineering Technology program.

Engineering Technology students acquire hands-on technical skills that enable them to solve production and system implementation problems and help them explain solutions.

Engineering Technology focuses primarily on the applied aspects of science and engineering. Students are prepared for practice in product improvement, manufacturing, construction, and engineering operational functions.

To learn more about this exciting career field and the Engineering Technology degree program, please contact us.

Ivy Tech Community College - Bloomington
Admissions:
888-IVY-LINE
(888-489-5463)
www.ivytech.edu

Engineering Technology Curriculum and Course Descriptions

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

Go to www.ivytech.edu and click on Academics to find recommended course curriculum and course descriptions.

Ivy Tech Community College
200 Daniels Way
Bloomington, IN 47404

888-IVY-LINE
(888-489-5463)
www.ivytech.edu
**Program Overview**

The Engineering Technology program will educate students to work with engineers and other technicians to design, implement, and support engineering processes. Activities such as collecting, analyzing, and interpreting data and troubleshooting complex integrated systems will be fundamental concepts in all coursework.

As firms continue to seek new means of reducing costs and increasing productivity, demand for engineering technicians to analyze and improve production processes should increase. Students will develop basic and advanced skills appropriate to the application of science, technology, engineering, and math that will enable graduates to enter the workforce and/or transfer to a four-year engineering technology program. Graduates can continue their education at Purdue University Statewide campuses.

**Engineering Technology Degree**

**ASSOCIATE OF SCIENCE (AS) DEGREE**

Associate of Science programs typically contain 40 percent or more general education, with the balance in technical and profession courses. The coursework provides students with a foundation for transfer to a related baccalaureate program at a four-year institution, and equips students with skills for the job market.

**Transfer Options**

Engineering Technology graduates can continue their educations at Purdue University statewide campuses.

Many other four-year institutions accept credits from Ivy Tech Community College.

**Careers in Engineering Technology**

- Aerospace engineering and operations technicians
- Civil engineering technicians
- Electrical and electronic engineering technicians
- Electro-mechanical engineering technicians
- Industrial engineering technicians
- Mechanical engineering technicians

Engineering technicians use the principles and theories of science, engineering, and mathematics to solve technical problems in research and development, manufacturing, sales, construction, inspection, and maintenance. Engineering technicians assist engineers and scientists, especially in research and development. Others work in quality control, inspecting products and processes, conducting tests, or collecting data. In manufacturing, they may assist in product design, development, or production.

Engineering technologists work closely with engineers in coordinating people, material, and machinery to achieve the specific goals of a particular project. The engineering technologist is often responsible for design and development.