ENGINEERING TECHNOLOGY

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.

CAREERS IN THIS FIELD

Aerospace Engineering/Operations Technicians

Civil Engineering Technicians

Electrical and Electronic Engineering Technicians

Electro-mechanical Engineering Technicians

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

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.

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.

ASSOCIATE OF SCIENCE (AS) DEGREE

Associate of Science programs typically contain 40 percent or more general education, with the balance in technical and professional 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.

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To learn more about employment and salary information for careers in this field, visit the U.S. Department of Labor's Bureau of Labor Statistics website at bls.gov and the official career site of the State of Indiana, indianacareerconnect.com.

Not all concentrations are offered at all campuses. Please contact your local Ivy Tech Community College campus for more information.