

# ENGINEERING TECHNOLOGY MAJORS

» [polytechnic.purdue.edu/soet](http://polytechnic.purdue.edu/soet)  
» [techrecruit@purdue.edu](mailto:techrecruit@purdue.edu)

*These engineering technology majors are offered by Purdue Polytechnic Institute at Purdue University in West Lafayette, Indiana.*

## AERONAUTICAL ENGINEERING TECHNOLOGY

Design and maintain essential aircraft manufacturing equipment, such as engines, wind tunnels and virtual computer simulators.

- » Airframe design engineer
- » Integration engineer
- » Logistics engineer
- » Reliability engineer

## AUDIO ENGINEERING TECHNOLOGY

Combine the science of sound, electronics and audio technology to create and manipulate the audio experience in a variety of settings.

- » Amplifier designer
- » Audio systems engineer
- » Audio system consultant
- » Imagineer

## AUTOMATION AND SYSTEMS INTEGRATION ENGINEERING TECHNOLOGY

Learn how to automate systems using mechanical components, computer-based controllers and environmental sensors.

- » Automation engineer
- » Manufacturing engineer
- » Process engineer
- » Quality engineer

## COMPUTER ENGINEERING TECHNOLOGY

Devise, integrate and embed the intricate microcomputer processing systems that control the items people use every day.

- » Application engineer
- » Computer systems designer
- » Software engineer
- » Test engineer

## COMPUTING INFRASTRUCTURE AND NETWORK ENGINEERING TECHNOLOGY

Learn to solve high-level networking challenges securely, efficiently and accurately using the best-suited hardware and software options.

- » Network engineer
- » Network architect
- » Systems engineer

## ELECTRICAL ENGINEERING TECHNOLOGY

Put your knowledge of electricity and electronics into motion to improve everyday items and invent life-changing products.

- » Applications engineer
- » Controls engineer
- » Instrumentation engineer
- » Systems engineer

## ENERGY ENGINEERING TECHNOLOGY

Design solutions for energy creation and efficient transmission to industrial, commercial and residential customers.

- » Building control engineer
- » Instrumentation engineer
- » Mechanical design engineer
- » Power systems engineer

## ENGINEERING-TECHNOLOGY TEACHER EDUCATION

Learn how to share your enthusiasm for STEM with the next generation by becoming someone's favorite teacher!

- » K-12 technology education teacher
- » Corporate trainer
- » Instructional coordinator

## INDUSTRIAL ENGINEERING TECHNOLOGY

Manage information, supplies and equipment to coordinate operations while directing people to make products or provide services.

- » Industrial engineer
- » Manufacturing engineer
- » Purchasing manager
- » Sales engineer

## MECHANICAL ENGINEERING TECHNOLOGY

Manage people and production while applying principles of materials, solid and fluid mechanics and energy to create or improve products and processes.

- » Mechanical engineer
- » Project engineer
- » Production engineer
- » Quality engineer

## MECHATRONICS ENGINEERING TECHNOLOGY

Combine computing controls and sensors with mechanical and electronic systems to create electromechanical products and smart devices.

- » Applications engineer
- » Engineering consultant
- » Industrial engineer
- » Product engineer

## ROBOTICS ENGINEERING TECHNOLOGY

Combine your skills in mechanics, electronics, automation, computing and software to design and build robotic systems.

- » Robotics automation software engineer
- » Robotics designer
- » Robotics engineer

## SMART MANUFACTURING INDUSTRIAL INFORMATICS

Use machine learning, cybersecurity, AI, industrial IoT, data science and mixed reality to manage manufacturing using industrial-grade equipment and processes.

- » Digital manufacturing engineer
- » Manufacturing data analyst
- » Process automation engineer
- » Smart factory manager

## SUPPLY CHAIN AND SALES ENGINEERING TECHNOLOGY

Use technology, communication and business analysis to coordinate the timing and manage the logistics of incoming supplies and outgoing products.

- » Global logistics analyst
- » Industrial engineer
- » Production manager
- » Quality control engineer

# THE ENGINEERING TECHNOLOGY DIFFERENCE

A CAREER IN ENGINEERING CAN BE YOURS, THANKS TO A DEGREE IN ENGINEERING TECHNOLOGY FROM PURDUE POLYTECHNIC.

## At Purdue Polytechnic, the *way* you learn is as important as *what* you learn.

- » Focus on applied, theory-based learning.
- » Work with people, technologies, processes and products
- » Manage teams and workflow
- » Improve and implement new technologies
- » Collaborate with a wide range of professionals

## Learn the skills and abilities that prepare you for an engineering career.

- » Class projects emphasize problem-solving and teamwork
- » Presentations polish communication skills
- » Internships provide real-world experiences

## Assist with research that has immediate impact by contributing to:

- » Undergraduate research
- » Company-funded senior final capstones
- » Independent projects

