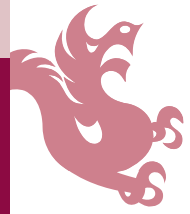


APPLIED ENGINEERING TECHNOLOGY



Applied Engineering Technology at Drexel

The Bachelor of Science in Applied Engineering Technology (AET) is designed for students who plan to pursue careers in a variety of design, manufacturing, and production-related positions. The program provides an integrated educational experience directed toward applying fundamental knowledge to solving practical technological problems, including product improvement, manufacturing, construction, and engineering operational functions.

Concentrations

- Electrical Engineering Technology
- Manufacturing Engineering Technology
- Mechanical Engineering Technology

Drexel Co-op for Applied Engineering Technology

A key part of the program is Drexel's prestigious co-operative education program, in which students alternate periods of classroom study with periods of professional work experience. AET students can participate in the following:

- Three Co-op Option (Five Years): includes three six-month periods of full-time employment

A Few Drexel Co-op Position Titles

- Applications Engineer
- Automotive Engineering Assistant
- Construction Intern
- Energy Analyst

Employers

Here are some of the companies that have hired Drexel students as co-op or full-time employees:

- Air Management Services
- Epsilon Products Company
- EwingCole
- George J. Spellman, Inc.
- VAC Motorsports

Potential Careers

Occupational Health and Safety Specialist. Helps prevent harm to employees, property, the environment, and the public. Advises management on how to increase worker productivity by raising employee morale and lowering absenteeism, turnover, and equipment downtime. Also obtains savings on workers' compensation benefits, insurance premiums, and legal expenses.

Industrial Production Manager. Plans and directs the activities needed to produce goods. Oversees the production process. Aims to reduce costs when possible, makes sure that products are of good quality and are produced on time, and makes production more efficient.

Engineering Manager. Plans and directs activities related to research, design, and production. May supervise people who design machinery and processes; may coordinate production, operations, quality assurance, testing, or maintenance in industrial plants. Directs teams that produce new goods and processes or improve existing ones.

Courses You'll Really Enjoy

Introduction to Manufacturing Industries. Introduces manufacturing and its managed activities: research and development, production, marketing, industrial relations, and finance. Includes laboratory work in organizing, staffing, and operating a model manufacturing enterprise.

Digital Electronics with Laboratory. Introduces students to fundamentals of digital electronics, starting with the binary number system and proceeding to logic gates, Boolean algebra, combinational logic circuits, and the basic arithmetic units used in digital computers such as adders, counters, and shift registers.

Robotics and Mechatronics. Provides a comprehensive technical introduction to robotics and automation in manufacturing. Topics include flow line production, material handling, group technology, and flexible and mechatronics-integrated manufacturing.

Learn More: University Catalog

A list of required courses for the Applied Engineering Technology major is available online at www.drexel.edu/catalog.

Accelerated Degree Options

Accelerated degree programs, such as the BS/MD, BS/PhD in Engineering, BS/JD, and BS/MBA, enable academically qualified students to earn both a bachelor's and an advanced degree, graduating sooner than they would in traditional programs. Eligible students can be admitted to an accelerated degree program in one of two ways: apply as an incoming freshman through Undergraduate Admissions or apply to the Office of Graduate Studies after completing a minimum of 90 credits. To learn more about accelerated degree options, visit www.drexel.edu/em/ug/accelerated.

For More Information

Undergraduate Admissions
Drexel University
3141 Chestnut Street
Philadelphia, PA 19104-2876
1-800-2-DREXEL
215-895-2400
enroll@drexel.edu
www.drexel.edu/em/ug

Apply online at www.drexel.edu/apply