

APPLIED ENGINEERING TECHNOLOGY



Applied Engineering Technology at Drexel

Applied Engineering Technology aims to improve design and manufacturing methodologies through the hands-on application of engineering principles. Engineering technologists provide a range of services, from collaborating with engineers in the development of new products and processes to technical support and diagnostic services. They're the type of people who like to take things apart, see how they work, and try to make them even better before putting them back together.

Our program provides an integrated educational experience directed toward developing the ability to apply fundamental knowledge to the solution of practical technological problems. A Bachelor of Science in Applied Engineering Technology from Drexel at BCC will prepare you to bridge the gap between theory and production in the workforce.

Concentrations

- Electrical Engineering Technology
- Mechanical Engineering Technology

Drexel Co-op for Applied Engineering Technology

Drexel's prestigious co-operative education program, in which students alternate periods of classroom study with periods of professional work experience, is a key part of the major. AET students can participate in one six-month period of full-time co-op 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.

For More Information

Jamie Bruno-Brooks
Director of Academic and Administrative Services
Drexel at BCC
Technology and Engineering Center
Burlington County College
3331 Route 38
Mt. Laurel, NJ 08054
1-866-644-3795
856-778-7456 (fax)
bccenroll@drexel.edu

www.drexelatbcc.org