

The Campus

A major university in an intimate campus setting, Penn State York has small classes, extensive computer facilities, e-mail accounts for all students, day and evening advising services, a library with all the resources of the entire University, and a Learning Center that offers tutoring and study skills workshops. In addition to a challenging academic life, the campus also offers a full range of student organizations, and athletic teams and facilities.

Most importantly, students work closely with distinguished faculty, all of whom are involved in the latest research in their areas of specialization.



Penn State is an affirmative action, equal opportunity university.

Associate Degree in Mechanical Engineering Technology

a two-year degree program at Penn State York



www.yk.psu.edu

Preparing You for the Future



York County and surrounding areas have deep-rooted traditions in engineering and manufacturing industries. Recent U.S. Census statistics account for more than 1,600 manufacturing firms in York and Lancaster counties alone, with more than 106,000 employees. While these industries represent local opportunities, they're a good indicator of the industry in general. The bottom line is that industry needs engineering graduates with mechanical backgrounds. This major helps prepare graduates for technical positions in the expanding fields of manufacturing, materials selection and processes, technical sales, and other related industries and mechanical applications.

This program helps prepare graduates to apply a basic knowledge of mathematics, the natural and engineering sciences, current engineering practices, and an understanding of economic principles to the solution of design problems and to the operation or testing of engineering and manufacturing systems. The primary objective is to provide a broad foundation of theoretical and practical knowledge in the areas of mechanical systems and applications, computer systems in drafting (CAD), manufacturing (CAM), and automation and robotics (CIM), production and product design, mechanics, dynamics, and strength of materials. For more than half a century, Penn State York has maintained a strong partnership with the industrial community of south central

Pennsylvania. Graduates of the associate degree in Mechanical Engineering Technology program have an established record of being sought out by employers.

The program also articulates with Pennsylvania Department of Education-approved Tech Prep programs. Secondary students who have graduated from a program covered by a signed Penn State Articulation Agreement may be eligible for special admission procedures and/or advanced placement.

Career Opportunities

Graduates with the Associate Degree in Mechanical Engineering Technology have excellent job prospects and may be employed in a variety of job settings. Typical positions include: detail drafter, product designer, layout drafter, technical sales, junior designer, technical services, machine designer, industrial sales, tool and die maker, structural layout, and manager trainee.

Assistance to help graduating students enter the job market is available through the Advising and Career Center.

Graduating students may participate in several Penn State Career Day programs where many employers will be available for interviews.

Baccalaureate Degree Options



With certain grade point averages, graduates of the two-year Associate Degree Mechanical Engineering Technology major may qualify for admission to the baccalaureate degree major in Electro-mechanical Engineering Technology at Penn State York, or in Mechanical Engineering Technology, Structural Design and Construction Engineering Technology, or Environmental Engineering offered at Penn State Harrisburg. Or they may qualify for admission to the Mechanical Design and Materials option of the baccalaureate degree majors in either Mechanical or Plastics Engineering Technology offered at Penn State Erie.

Who Should Enroll

Whether you're a recent high school graduate, an adult returning to school, or someone who has never attended college, you can enroll in the Associate Degree program in Mechanical Engineering Technology at Penn State York. Students enrolling in this degree program may be interested in using their education as a stepping stone to a baccalaureate degree, for advancement in a current position, or to gain employment in an industry setting. For specific information on admission, contact the Penn State York Admissions Office at (717) 771-4040 or (800) PSU-6227.



Program Requirements

For the Associate Degree in Mechanical Engineering Technology, a minimum of 67 credits is required:

General Education: 21 credits

Writing / Speaking, Quantification, Social and Behavioral Sciences, Arts, and Natural Sciences (12 of these 21 credits are included in the requirements for the major).

Requirements for the Major: 58-60 credits

Electrical Circuits
Technical Drawing Fundamentals
Computer-Aided Drafting (CAD)
Spatial Analysis and Computer-Aided Drafting
Advanced Computer-Aided Drafting
Manufacturing Materials, Processes, and Laboratory
Production Design
Mechanics for Technology: Statics
Strength and Properties of Materials
Dynamics and Machine Elements

The Associate Degree in Mechanical Engineering Technology at Penn State York provides the opportunity for students to complete the program on a full-time or part-time basis. Classes are offered both in day and evening sessions.

Financial Aid

Four types of student financial aid are available: grants, scholarships, loans and employment. At Penn State York, 80 percent of eligible students receive some type of financial aid and more than 300 scholarships are awarded locally. For information on student aid, please contact Penn State York's Office of Student Affairs at (717) 771-4045.

For More Information

Direct inquiries about the Associate Degree in Mechanical Engineering Technology to:

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Check us out on the worldwide web at:
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