

APPLIED ENGINEERING, SAFETY & TECHNOLOGY



"Millersville has helped me grow as a person and has taught me how to organize my time. The school has great opportunities to succeed and pushes you academically."

—Colby Zeger, Occupational Safety and Environmental Health '14

Employers are looking for well-educated professionals to meet the needs of today's global society. With the rapid pace of change, you need to prepare yourself to be competitive as technology and engineering-related careers evolve. The Department of Applied Engineering, Safety & Technology can help you get the expertise to transform into a highly qualified professional ready to meet the challenges of an exciting career in technical businesses, industries, government, or education fields.

DEGREES/CONCENTRATIONS

BACHELOR OF SCIENCE (B.S.)

Applied Engineering and Technology Management (AETM) – This program prepares technical managers, design engineers, and technologists, with competency in an applied engineering specialty (known as a concentration), management, and general education. If you select this major, you'll gain experience with the University's general education requirements, a broad perspective of what technology and engineering is and what it does, as well as acquiring deep knowledge in the applied engineering concentration of your choice. You will also experience courses in management to prepare you for your professional career. Concentrations are available in:

- Advanced Manufacturing Technology
- Computer-Aided Drafting & Design (CADD)
- Construction Management
- General Technology
- Graphic Communication
- Nanofabrication Manufacturing Technology
- Robotics & Control Systems

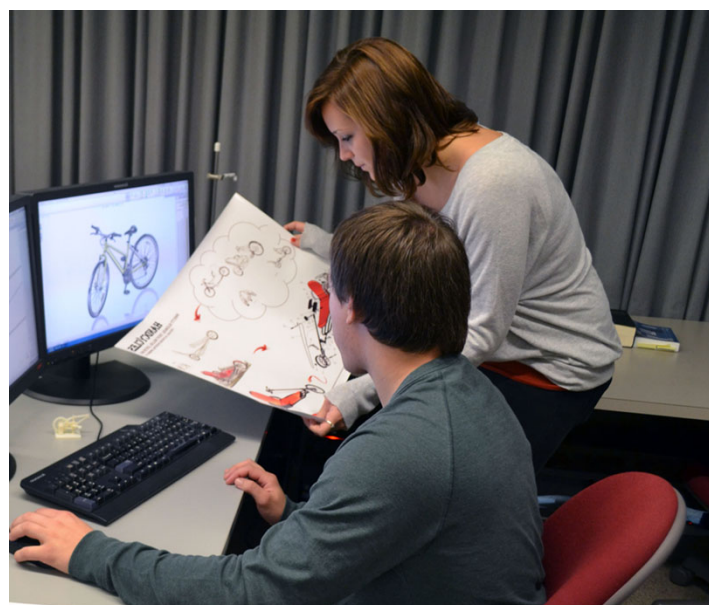
Occupational Safety & Environmental Health (OSEH) – This program is designed for people interested in professions in safety, health, and environmental fields. Students gain competency in topics such as accident investigation, industrial hygiene, fire protection, legal aspects of safety and health, ergonomics assessment, indoor air quality, and safety engineering.

ASSOCIATE OF TECHNOLOGY (A.T.)

Applied Engineering and Technology (AET) is available for students looking for an applied engineering degree with reduced general education requirements and no management courses. The associate's degree is designed so that if you decide to transition into a bachelor's degree, you won't lose credit for the courses already taken. Check website for available technical concentrations.

BACHELOR OF SCIENCE IN EDUCATION (B.S.E)

The **Technology & Engineering Education** program (**TECE**) is a teacher training program for individuals seeking certification to teach a broad range of courses in K-12 technology & engineering education. An optional Engineering Design Education concentration is also available. Students graduating in this major are eligible for Pennsylvania teacher certification in Technology Education which enables them to teach all courses in this content area such as computer-aided drafting and design (CADD), graphic communication, manufacturing and materials, construction, STEM, energy and power, transportation, electronics, automation, engineering design, and much more.





CLUBS & ACTIVITIES

American Society of Safety Engineers (ASSE) – Millersville University – ASSE is the world’s oldest and largest professional safety organization. Our students are consistently awarded scholarships from ASSE and a few private foundations. They also attend numerous local and national conferences that bring them in touch with national experts.

Association of Technology, Management & Applied Engineering (ATMAE) Student Chapter (aka MU Robotics Team). The MU Robotics Team has earned more than 30 awards since 2001 in national or international robotics competitions. The team boasts winning the 2010 and 2013 ATMAE National Robotics Competitions.

Epsilon Pi Tau (EPT) – Beta Phi Chapter. Epsilon Pi Tau is an international honor society for professions in technology. At Millersville, this includes Technology & Engineering Education, Applied Engineering & Technology Management, and Occupational Safety & Environmental Health majors.

Marauder Graphics Club (MGC) – is an organization for students interested in the printing and graphic communications industries. MGC sponsors many social and professional events, including tours of local printers and industry trade shows.

SME – Millersville University. **SME (formerly the Society of Manufacturing Engineers)** is an organization for individuals, students, educators and companies involved in all facets of manufacturing. Founded in 1932, it is dedicated to advancing and educating the manufacturing industry. SME focuses its efforts on several areas of manufacturing: aerospace and defense, energy, medical, and motorized vehicles.

The Submersible Research Team- The purpose of the Submersible Research Team is to provide an experience for members to research and develop autonomous platforms via underwater remotely operated vehicles, and custom platforms.

Technology & Engineering Education Collegiate Association at Millersville University (TEECA @ MU). TEECA members engage in a wide variety of social, professional, service, and fund-raising events. Members participate in the Eastern Regional TEECA Conference every November in Virginia Beach, VA plus another National conference at a different U.S. location each spring.

INTERNSHIP OPPORTUNITIES

Internships enable students to gain technical work experiences in industry. Professional internships combine academic, technical, and management preparation with actual on-the-job experiences in technological enterprises under the supervision of the employer and a department faculty member.

ACCREDITATION

- The Applied Engineering & Technology Management degree is accredited by The Association of Technology, Management, and Applied Engineering (ATMAE).
- The Occupational Safety & Environmental Health Degree is accredited by the Accreditation Board for Engineering and Technology (ABET).
- The Technology & Engineering Education program is nationally recognized by the International Technology & Engineering Educators Association (ITEEA) and the Council on Technology & Engineering Education (CTETE).

MINORS IN APPLIED ENGINEERING SAFETY & TECHNOLOGY

- Advanced Manufacturing Technology
- Computer -Aided Drafting & Design (CADD)
- Construction Technology
- Control Systems Technology
- General Applied Engineering & Technology
- Graphic Communication Technology
- Occupational Safety & Environmental Health

FOR INFORMATION CONTACT:

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