

GENERAL TECHNOLOGY



The Applied Engineering & Technology Management General Technology concentration provides broad exposure to a range of technologies and processes. Students design their degree to match their interests, and have opportunities to apply their technical skills to solve problems and manage processes in their career fields.

DEGREE/MINOR

BACHELOR OF SCIENCE (B.S.)

Applied Engineering & Technology Management (AETM) General Technology Concentration

The B.S. in Applied Engineering & Technology Management, General Technology concentration is designed to provide students with both theoretical knowledge and practical skills in broadbased engineering technologies. Coursework in this concentration provides background knowledge and hands-on experiences in drafting/design, electricity/electronics, material processes, and graphic communication technologies.

Students will work with their advisors to plan out their electives to integrate the technological systems that they are interested in studying or develop their own specialty in applied engineering and technology management. All courses include laboratory experiences that enable students to work with processes, tools, equipment, and the materials needed in various technological applications. This concentration is valuable to students who may wish to pursue entrepreneurial goals or selfemployment in fields that are not closely related to other majors in the AEST department. Graduates of this option typically work as process/product designers, application engineers, technical salespersons, technical trainers, technologists, or managers of technical operations.

MINOR IN GENERAL TECHNOLOGY

Students minoring in Applied Engineering & Technology will complete 18 technical credits. Those credits will consist of three broad-based introductory technical courses followed by an additional three advanced technical courses selected in consultation with an academic advisor.



THREE REASONS TO CHOOSE GENERAL TECHNOLOGY

1. You would prefer a broad-based technical preparation more than a focused technical preparation.
2. You want more flexibility and choice in the technical curriculum that you complete.
3. Designing your own technical curriculum would aid in your intended employment area of choice .

ACCREDITATION

Applied Engineering & Technology Management degrees are accredited by The Association of Technology Management and Applied Engineering (ATMAE).



CLUBS AND ACTIVITIES

The AEST Department has ten student organizations, each offering motivated students opportunities to gain experience in the technical areas they are studying. AEST students may choose to get involved with the following:

American Society of Safety Professionals (ASSP) – Occupational Safety & Environmental Health, networking, professional development

'Ville Robotics Team - Association of Technology, Management & Applied Engineering (ATMAE) – Automation & Robotics Engineering Technology, competitions, networking, professional development, research and development

CADD Club – Computer-Aided Drafting & Design, 2D & 3D design, 3D printing, community service, networking, professional development

Construction Club – Construction Management, community service, networking, professional development

Epsilon Pi Tau - Beta Phi Chapter (EPT) – Epsilon Pi Tau is an international honor society for fields related to technology, by invitation

Gamma Tau Epsilon – Omicron Chapter (EPT) – Gamma Tau Epsilon is an national honor society for graphic communication, by invitation.

Marauder Graphics Club (MGC) – Graphic & Packaging Technology, community service, professional development, conferences, competitions

National Society of Black Engineers (NSBE) – Community service, conferences, engineering, networking

Society of Manufacturing Engineerings (SME) – Manufacturing Engineering Technology, conferences, design and fabrication, networking, professional development

Technology & Engineering Education Collegiate Association @ MU (TEECA@MU) – Technology & Engineering Education, conferences, competitions, networking, professional development

FACILITIES FOR AEST MAJORS

AEST students learn in state-of-the-art facilities as they complete their degrees. Some of the facilities for AEST students are:

- Advanced CADD Lab
- Digital Publishing Lab
- Print Publishing Lab
- Metallics Lab
- Woods Lab
- Polymers Lab
- Electronics Lab
- Robotics Lab
- Energy & Power Lab



Dr. John Wright is the program coordinator for the Applied Engineering & Technology Management degrees.

If you have any questions about the programs and the possibilities for you, please email John.Wright@Millersville.edu

OUR GRADUATES SAY



"I design custom signs, create models and fabrication drawings in Solidworks, make router files in AutoCAD, audit the fabrication process and try to improve efficiency and save on cost. I work with other designers, fabricators and project managers to make sure signs are made within budget and in a timely manner."

– *Katelynn Rooney '21, Design Engineer*



"MU provided an opportunity to explore different interests of mine, varying from working with my hands in the labs creating unique projects, to building houses in an architectural design software, to building a shed, to having guest speakers from various companies talk about what it is like to work in their company."

– *Ben Harris '21, Assistant Project Manager*



"The core classes I had in Applied Engineering, Safety & Technology are proving to be highly beneficial in my current job and professional activities. My education at Millersville University set me up to be a life-long learner. I have many projects going on at one time, but my degree from the AEST department prepared me for the challenges."

– *Erin Nuss '15, Associate Manager of Education*

FOR INFORMATION CONTACT

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AEST NEWS BLOG | blogs.millersville.edu/aest