There is currently a shortage of technology and engineering education teachers in many states, which means there are exceptional job opportunities for Technology & Engineering Education graduates. Make a difference with your career choice. Choose this major if you enjoy problem-solving, learning by doing, and inspiring others.

DEGREES/MINOR

BACHELOR OF SCIENCE IN EDUCATION (B.S.E.)
TECHNOLOGY & ENGINEERING EDUCATION

The Technology & Engineering Education program (TECE) is a teacher training program for individuals who desire to teach a broad range of courses in K-12 technology and engineering education. The four-year program is comprised of general education courses to support a liberal arts foundation, technical courses to build content knowledge, and professional courses that immerse students in field experiences with K-12 students, including a full-time student-teaching semester.

An optional Engineering Design Education concentration is also available to build deeper understanding and expertise for STEM (science, technology, engineering and math) education.

Graduates 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, STEM, engineering design, construction, energy and power, transportation, electronics, automation/robotics and much more. Many states have reciprocity with Pennsylvania, which generally enables graduates to apply for certification there once they have the PA certification.

TOP 3 REASONS TO CHOOSE TECHNOLOGY & ENGINEERING EDUCATION

1. Job prospects for technology and engineering teachers are exceptional. There are more positions offered than there are graduates to fill them.

2. Teachers make a difference. A good technology and engineering teacher can positively influence hundreds or thousands of students in a lifetime.

3. Technology and engineering teachers work in a creative and dynamic learning environment. There are abundant opportunities to solve problems, build solutions and inspire others.

“I attribute my success largely to my experience at Millersville University and the professors who helped me develop and pursue my passion.”
– Korbin, program graduate
CLUBS AND ACTIVITIES
Technology & Engineering Education Collegiate Association at Millersville University (TEECA @ MU). TEECA members engage in a wide variety of social, professional, service and fundraising events. Members participate in the Eastern Regional TEECA Conference every November, plus another national conference at a different U.S. location each spring.

- **Epsilon Pi Tau (EPT) – Beta Phi Chapter.** EPT is an international honor society for professions in technology, which includes Technology & Engineering Education. There are a number of benefits to membership, including opportunities for awards based on achievements or service.

- **Other Organizations.** TECE students can choose to join other organizations in AEST, including the Society for Manufacturing Engineers (SME); Marauder Graphics Club; Submersible Research Team; and Association of Technology, Management & Applied Engineering (MU Robotics Club).

FACILITIES
Technology & Engineering Education students have the advantage of taking hands-on classes in more than 10 different laboratories in Osburn Hall, including graphic communication, materials/production, energy and power, electronics, automation, CADD and others. There is also an integrative STEM lab, innovation lab and seminar classroom where teacher candidates engage in design, problem-solving and teaching-methods courses.

EXPERIENCE AND SUCCESS
Students majoring in Technology & Engineering Education have many opportunities to engage with students in K-12 classrooms throughout our teacher preparation program. In addition to required field experiences and student teaching, some students choose to participate in other teaching-related programs through local community organizations and afterschool programming. These experiences help to build students’ confidence and expertise in preparation for their teaching careers.

Lauren Coker (Class of 2018) teaches at Cinnaminson High School (New Jersey). She was hired to initiate a new Technology & Engineering Education (TECE) program in her school, which is an exciting way to start her teaching career. She teaches classes in Introduction to Engineering: Design Thinking and Problem Solving. Lauren enjoys getting her students involved in motivating projects such as Product Planning and Development, Hydroponic Optimization, and Application Coding and Design. She also values staying involved in professional development opportunities such as those provided through the New Jersey Technology and Engineering Educators Association (NJTEEA) and the Technology & Engineering Education Association of Pennsylvania (TEEAP). Lauren’s advice for students considering TECE at MU is to take full advantage of every opportunity provided to you. When faced with a challenge, approach it with a growth mindset and don’t be afraid to fail. A degree in Technology & Engineering Education will provide you with the skills, knowledge and passion to excel in your career. The faculty will be there to guide you and help you reach your full potential. Upon graduation, you will have a solid foundation to begin your career as an educator, with a wide range of job opportunities and a network of people to support you.

FOR INFORMATION, CONTACT:
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