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

DEGREE

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 4-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 AT MILLERSVILLE UNIVERSITY

1. Job prospects for Technology & Engineering Education teachers are exceptional, with more positions offered than there are graduates to fill them.
2. Teachers make a difference. A good Technology & Engineering Education teacher can positively influence hundreds or thousands of students in a lifetime.
3. Technology & Engineering Education teachers work in a creative and dynamic learning environment with abundant opportunities to solve problems, build solutions and inspire others.
EXPERIENCE & 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 after-school programming. These experiences help to build students’ confidence and expertise in preparation for their teaching career.

Jana Zinn Bonds ’08

“It is never a dull moment with middle school students and it is a joy to see the excitement they get from discovering the world of technology and engineering.” Jana teaches 6th-8th grade technology and engineering at Emory H. Markle Intermediate in the South Western School District. Her curriculum covers a broad range of topics including materials processing, energy conservation, robotics, engineering design, manufacturing and digital media. Jana stays active by serving as a Technology Student Association (TSA) advisor and her school won the Program of Excellence award in 2011-2012.

FOR INFORMATION CONTACT:
Department of Applied Engineering, Safety & Technology
P.O. Box 1002 • Millersville, PA 17551
www.millersville.edu/aest
AEST@millersville.edu
717-871-7237