

MECHANICAL ENGINEERING TECHNOLOGY, A.ENG.T. (ENGINEERING)

Seven Penn State campuses are scheduled for closure after Spring 2027: DuBois, Fayette, New Kensington, Mont Alto, Shenango, Wilkes-Barre, and York. New students are not being admitted at these campuses.

Begin Campus: DuBois, York

End Campus: DuBois, York

Program Educational Objectives

The Associate in Mechanical Engineering Technology program equips students with foundational technical and professional skills for entry into the field. Within a few years of graduation, program graduates are expected to:

1. Contribute expertise as an engineering technician in fields such as applied design, manufacturing, testing, evaluation, safety, technical sales or service.
2. Collaborate effectively in diverse, interdisciplinary teams, demonstrating an understanding of global, societal, and ethical impacts while assuming increasing responsibility and leadership.
3. Utilize troubleshooting and communication skills by adhering to standard protocols, consulting relevant technical resources, and conveying information effectively.

Student Outcomes

Student outcomes describe what students are expected to know and be able to do by the time of graduation. The Associate Mechanical Engineering Technology program is designed to enable students to:

1. Apply knowledge, techniques, skills, and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the discipline.
2. Design solutions for well-defined technical problems and assist with the engineering design of systems, components, or processes appropriate to the discipline.
3. Apply written, oral, and graphical communication in well-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature.
4. Conduct standard tests, measurements, and experiments and to analyze and interpret the results.
5. Function effectively as a member or leader on a technical team.