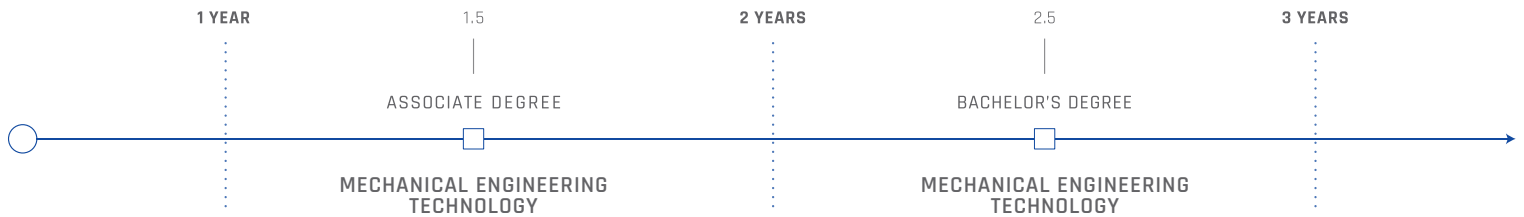


# MECHANICAL ENGINEERING TECHNOLOGY

If you want a hands-on career in design, testing, manufacturing, or operations, then the Mechanical Engineering Technology field may be just what you've been looking for. Here's the best part: there are jobs that are waiting to be filled right now. That's because modern manufacturing is staging a major comeback, thanks to robotics and advanced electronics. However, many employers cannot find the highly-skilled workers they needed to work with such advanced equipment. According to the Manufacturing Institute, 67% of respondents in a recent survey reported moderate to severe shortages of qualified workers, and 56% expect those shortages to grow worse in the next three to five years. Now if you're thinking that manufacturing is a dirty, grimy job, think again. Today's plants and facilities look more like science labs!

If this sounds like something you'd be interested in, right now could be the perfect time to earn a degree in Mechanical Engineering Technology at ECPI University! In just 1.5 years, you can earn an Associate of Science in Mechanical Engineering Technology through our year-round schedule.



## Outcomes

The learning outcomes of the AS MET program include the following:

- ▶ Select and apply current knowledge of mathematics, science, and engineering and technology
- ▶ Select and apply current knowledge, techniques, skills, and modern tools of mechanical engineering technology
- ▶ Design systems, components, or processes
- ▶ Conduct tests, measurements, experiments, and interpret results thereof
- ▶ Identify, analyze and solve key problems, and improve processes
- ▶ Communicate effectively by preparing technical reports, documenting work or writing papers, and by making individual and group presentations
- ▶ Demonstrate an understanding of professional, ethical, and social responsibilities while collaborating effectively with diverse team members to achieve a designated task

## Possible Career Track

ECPI University's curriculum prepares graduates for entry-level employment in various public and private industries in such areas as:

- ▶ Mechanical Engineering Technology
- ▶ Mechanical Product Design & Fabrication
- ▶ CAD & Computer Graphics
- ▶ Automation & Manufacturing
- ▶ Machining & Mechanical Maintenance
- ▶ Power Generation & Plant Management
- ▶ Climate Control: Heating, Ventilation, & Air Conditioning
- ▶ Transportation: Vehicles & Infrastructure
- ▶ Aerospace & Aerodynamics Industry
- ▶ Systems Control

Mechanical Engineering Technology graduates are employed in a wide spectrum of positions such as:

- ▶ Mechanical Engineering Consultant
- ▶ Product and Materials Testing Technologist
- ▶ Drafting and Computer Graphics Engineer
- ▶ Manufacturing and Quality Management Engineer
- ▶ Industrial Engineer
- ▶ Product Engineer
- ▶ Plant Maintenance and Production Manager
- ▶ Transportation Engineer
- ▶ Power and Energy Engineer