

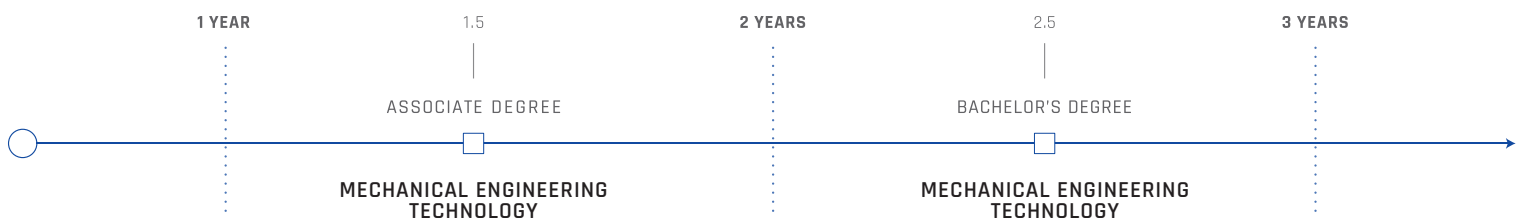


MECHANICAL ENGINEERING TECHNOLOGY

Modern manufacturing is making a major comeback, thanks to robotics and advanced electronics. With this new technology comes the need for highly-skilled workers who could operate, maintain, and repair such machinery. The manufacturing plants of today are modern marvels that resemble science labs. Many workers who fill these advanced facilities would benefit from a Bachelor's of Science Degree in Mechanical Engineering Technology.

Mechanical Engineering Technologists are hands-on problem solvers who occupy a variety of roles in the field, from support technician to plant manager. The work may revolve around the design, testing, manufacturing, maintenance, repair, or operation of robotics and other advanced electronics.

At ECPI University, students have the opportunity to conduct and analyze experiments, interpret their results, and design future innovations in the field through this ABET Accredited program. Through our year-round schedule, you could earn your Bachelor of Science Degree in Mechanical Engineering Technology from ECPI University in as little as 2.5 years.



Possible Career Track

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

Outcomes

The learning outcomes of the BS 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



**Engineering
 Technology
 Accreditation
 Commission**

The Bachelor of Science in Mechanical Engineering Technology at the Virginia Beach campus and Online is accredited by the Engineering Technology Accreditation Commission (ETAC) of ABET, <https://www.abet.org>, under the General Criteria and the Mechanical Engineering Technology and Similarly Named Programs Program Criteria.