

# Engineering Technology- Associate in Applied Science

---

For information contact the Department of Engineering Technology at 513-758-1804. Offices are located in Hamilton - 207 Phelps Hall or Middletown - 205MJ Thesken Hall

This department offers associate degree programs in electrical and computer engineering technology and mechanical engineering technology. They also offer bachelor completion programs with concentrations in Electrical and Computer Engineering Technology, Electro-Mechanical Technology, Mechanical Engineering Technology, and Robotics Engineering Technology.

Students are strongly encouraged to participate in engineering technology internships. Internship information is available through the Regional Office of Career Services and Professional Development: 513-227-3390, miamiregionalscareer@MiamiOH.edu.

## Department Educational Objectives

We consider program educational objectives as the general characteristics our graduates demonstrate to the workplace, graduate school, the military, or their endeavors after they leave Miami. We typically measure these characteristics initially at graduation by asking graduates if they feel that they have achieved these characteristics and then periodically thereafter through employer surveys, letters from graduates, advisory council, graduate school accomplishments, and surveys of graduates who have been out for a while. These characteristics should become most evident within the first few years after graduation.

The Engineering Technology Department's graduates are able to:

- apply math and physics principles to the solution of engineering technical problems.
- use applied skills to identify, evaluate, and solve complex technical problems.
- use engineering computer software to facilitate engineering problem solving.
- function effectively in team-oriented activities.
- demonstrate the knowledge of expected standards of ethical and professional conduct.
- verbally communicate ideas.
- prepare well-written technical reports.

In addition, our graduates will have the necessary fundamentals to pursue life-long learning.

## Program-Specific Educational Objectives

### Electrical and Computer Engineering Technology (A.A.S.)

The ECET program produces graduates who:

- analyze digital and analog electrical and electronic circuits, identify problem areas, and maintain these systems.

- function effectively as electrical and computer engineering technicians in state and regional industries.

### Mechanical Engineering Technology (A.A.S.)

The MET program produces graduates who:

- are able to analyze and design complex mechanical components and systems
- are able to set up experimental testing procedures and selectively utilize data to reinforce engineering concepts.
- have a basic understanding of modern manufacturing methods used to facilitate the production of consumer products
- are able to effectively and efficiently manage engineering projects (B.S. only).