

## **Associate of Applied Science**

### *Environmental Engineering Technology*

---

In alignment with industry standards and expectations, upon completion of the environmental engineering technology major, students will be able to:

- Identify, formulate, and solve engineering problems.
- Analyze and model environmental systems by applying mathematics, basic science, technology, and engineering.
- Design and conduct experiments, as well as analyze and interpret data for problem-solving.
- Use the techniques, skills, and modern engineering tools necessary for environmental engineering practice.
- Design and realize an environmental system or process to meet desired needs within realistic constraints, such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- Understand the impact of engineering solutions in a global, economic, environmental, and social context.
- Communicate effectively.
- Function on teams.
- Be knowledgeable of contemporary issues.
- Recognize the need for and ability to engage in life-long learning.
- Work professionally in the area of environmental systems.
- Work professionally in the area of environmental health and safety systems.
- Understand professional and ethical responsibility.