

# Mission

The mission of the Department of Chemical, Environmental, and Materials Engineering is to:

- Provide high-quality undergraduate and graduate education in chemical, environmental, and materials engineering that will prepare graduates for professional careers and a lifetime of learning;
- Conduct high-quality research that will advance the body of knowledge and improve the quality of human life;
- Serve the engineering profession and society through active involvement in professional organizations and contribution of professional expertise.

# Educational Objectives

The educational objectives of the Environmental Engineering Program are to produce graduates who within the first several years following graduation are either

1. Working as a professional in an area closely related to environmental engineering,  
or
2. Pursuing a graduate or professional degree.

# Student Learning Outcomes

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.

5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

## Enrollment and Graduation Data

Academic Year	21-22	22-23
Enrollment (Fall)	50	33
Graduates (Fall+Spring)	8	TBD