

MS Environmental Engineering

This course plan serves as an example of the program. Program requirements and course offerings are subject to change.

The MS Environmental Engineering Program requires students to designate a track: Air and Climate Track OR Water Quality and Reuse Track.

<p>Semester 1</p> <ul style="list-style-type: none"> • Core Course (4 units) • Track Core Course (4 units) 	<p>Semester 2</p> <ul style="list-style-type: none"> • Core Course (4 units) • Track Core Course (4 units)
<p>Semester 3</p> <ul style="list-style-type: none"> • Track Core Course (4 units) • Track Core Course (4 units) 	<p>Semester 4</p> <ul style="list-style-type: none"> • Approved Elective (4 units)

Core Courses (8 units)

- ENE 505: Energy and the Environment (4 units)
- ENE 512: Environmental Fluid Mechanics (4 units)

Air and Climate Track Core Courses (16 units)

- ENE 426: Particulate Air Pollutants: Properties/Behavior/Measurement (4 units)
- ENE 527: Climate Change and Aerosols (4 units)
- ENE 535: Air Pollution Management: Exposure, Health Effects and Risk (4 units)
- ENE 440: Machine Learning or Climate Change and Sustainability (4 units)

Water Quality and Reuse Track Core Courses (16 units)

- ENE 562: Particulate Air Pollutants: Properties/Behavior/Measurement (4 units)
- CE 523: Climate Change and Atmospheric Aerosols (4 units)
- CE 553: Air Pollution Management: Exposure, Health Effects and Risk (4 units)
- ENE 599: Potable Water Reuse (4 Units)

Approved Electives (4 units)

- CE 410: Introduction to Environmental Engineering Microbiology (4 units)
- CE 451: Water Resources Engineering (4 units)
- CE 485: Water and Wastewater Treatment Design (4 units)
- CE 503: Microbiology for Environmental Engineers (4 units)
- CE 516: Geohydrology (4 units)
- CE 523: Climate Change and Atmospheric Aerosols (4 units)
- CE 553: Air Pollution Management: Exposure, Health Effects and Risk (4 units)
- ENE 426: Particulate Air Pollutants: Properties/Behavior/Measurement (4 units)

- ENE 428: Air Pollution Fundamentals (Spring) (4 units)
- ENE 440: Machine Learning or Climate Change and Sustainability (4 units)
- ENE 502: Environmental and Regulatory Compliance (4 units)
- ENE 510: Water Quality Management and Practice (4 units)
- ENE 527: Climate Change and Aerosols (4 units)
- ENE 535: Air Pollution Management: Exposure, Health Effects and Risk (4 units)
- ENE 562: Particulate Air Pollutants: Properties/Behavior/Measurement (4 units)
- ENE 599: Potable Water Reuse (4 Units)