

**MS Environmental Engineering  
(Program prior to Fall 2025)**

*Only courses listed on this page count toward the Master's Programs in Environmental Engineering degree. If you have a question about taking a class that isn't listed on this site, please reach out to your advisor on AdviseUSC. At least two-thirds of coursework applied to degree must be at the 500-level or higher.*

**Core Courses (8 units)**

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

**Designated Track (12 units)**

Air and Climate	Water Quality and Reuse
<ul style="list-style-type: none"> <li>• ENE 440: Machine Learning for Climate Change and Sustainability (4 units)</li> <li>• ENE 426 Particulate Air Pollutants (4 units)</li> <li>• ENE 527: Climate Change and Atmospheric Aerosols (4 units)</li> <li>• ENE 535: Air Pollution Management: Exposure, Health Effects and Risk (4units)</li> </ul>	<ul style="list-style-type: none"> <li>• CE 523: Physicochemical Process in Environmental Engineering (4 units)</li> <li>• CE 553: Biological Process in Environmental Engineering (4 units)</li> <li>• ENE 507: Potable Water Reuse (4 units)</li> <li>• ENE 562: Aquatic and Environment Chemistry (4 units)</li> </ul>
<p><i>Air Concentration students must take <b>ENE 428: Air Pollution fundamentals</b> in lieu of the elective if they have not already taken the course, or is equivalent, as an undergraduate.</i></p>	<p><i>Water Concentration Students: must take <b>CE 485: Water and Wastewater Treatment Design</b> in lieu of the elective if they have not already taken the course, or its equivalent, as an undergraduate.</i></p>

**Approved Electives (4 units)**

- CE 410: Intro to Environmental Engineering Microbiology (4 units)
- CE 451: Water Resources Engineering (4 units)
- CE 485: Water and Wastewater Treatment Desing (4 units)
- CE 503: Microbiology for Environmental Engineers (4 units)
- CE 516: Geohydrology (4 units)
- ENE 428: Air Pollution Fundamentals (4 units)
- ENE 502: Environmental and regulatory Compliance (4 units)
- ENE 510: Water Quality Management and Practice (4 units)

Additionally, courses from the track not designated can be an approved elective.

