MSE (Environmental) DEGREE REQUIREMENTS

The Department’s Master of Science in Engineering – Environmental Engineering (MSE) offers two options. Plan I is the thesis research option, and Plan II is the coursework only, non-thesis option. Note that up to three credit hours of non-thesis research is allowed (not required) as part of the Plan II option.

<table>
<thead>
<tr>
<th>Thesis Option (Plan I)</th>
<th>Coursework Only, Non-thesis Option (Plan II)</th>
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| • Plan of Study¹ (minimum of 30 credit hours):  
  21 hours of approved coursework  
  6 hours of CE 599 Thesis Research  
  3 hours of CE 593/693 Practicum² | • Plan of Study² (minimum of 30 credit hours):  
  24-30 hours of approved coursework  
  0-3 hours of CE 593/693 Practicum  
  0-3 hours of CE 598 Non-Thesis Research |
| • Approved Coursework and Caps (21 hours):  
  9 hours of core coursework (see below)  
  6 hours maximum of approved 400-level courses³  
  12 hours maximum of approved transfer credit  
  15 hours minimum of CE courses  
  6 hours maximum of electives | • Approved Coursework and Caps (24-30 hours):  
  9 hours of core coursework (see below)  
  18 hours minimum of CE courses  
  6 hours maximum of approved 400-level courses³  
  12 hours maximum of approved transfer credit  
  6 hours maximum of electives |
| • Thesis Committee and Defense:  
  Minimum of three graduate faculty, with the majority from the department and at least one member from outside the department  
  Maximum of two attempts to pass defense | • Required Capstone Project - CE501 in final semester (as part of 30 hours of coursework)  
  The Committee may require additional prerequisite courses (not allowed as part of the Plan of Study) for those students without an ABET/EAC-accredited degree  
  Maximum of 6 years to complete degree requirements or courses will expire |
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MSE Core Coursework Requirements (9 hours)

| Environmental and Water Resources Engineering |
| CE 573 – Statistical Applications in Civil Engineering |
| CE 575 – Hydrology |
| CE 524 – Water & Wastewater Treatment |

| Additional Course Requirements |
| for students without an ABET/EAC-accredited degree not allowed as part of the Plan of Study |
| AEM 201 Statics |
| AEM 264 Dynamics |
| AEM 250 Mechanics of Materials I |
| AEM 311 Fluid Mechanics |

Required Forms⁴ (all forms are available from graduate.ua.edu)

| • Appointment/Change of Master’s Thesis Committee (Plan I only)  
• Thesis Final Defense Form or a memo with committee signatures (Plan I only)  
• Committee Acceptance Form for Electronic Thesis (Plan I only) (see deadline on Graduate School website)  
• Mandatory upload of final thesis to ProQuest website (see deadline on Graduate School website)  
• Application for Degree  
• CE 501 (Plan II only) |

Additional information may be found at graduate.ua.edu and cce.eng.ua.edu.

¹ AMP(BS/MS) students are allowed 9 credit hours of 500-level coursework to double count between the BS and MS degrees.
² Students on graduate assistantships must register for a minimum of 1 credit hour of CE 593 each semester they are supported.
³ Only 400-level courses without 500-level counterparts are allowed and must be approved prior to taking the class.
⁴ Students are responsible for all forms and must route all forms through the Department prior to submission to the Graduate School.