The Department’s Master of Science in Civil Engineering (MSCE) 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.

### Thesis Option (Plan I)
- **Plan of Study**: (minimum of 30 credit hours)
  - 21 hours of approved coursework
  - 6 hours of CE 599 Thesis Research
  - 3 hours of CE 593/693 Practicum
- **Approved Coursework and Caps**: (21 hours)
  - 9 hours of core coursework (see below)
  - 6 hours maximum of approved 400-level courses
  - 12 hours maximum of approved transfer credit
  - 15 hours minimum of CE courses
  - 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
- **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**

### Coursework Only, Non-Thesis Option (Plan II)
- **Plan of Study**: (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**: (24-30 hours)
  - 9 hours of core coursework (see below)
  - 18 hours minimum of CE courses
  - 6 hours maximum of approved 400-level courses
  - 12 hours maximum of approved transfer credit
  - 6 hours maximum of electives
- **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**

### MSCE Core Coursework Requirements (9 hours)

<table>
<thead>
<tr>
<th>Construction Engineering and Management</th>
<th>Structural Engineering and Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 573 – Statistical Applications in Civil Engineering</td>
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</tr>
<tr>
<td>CE 567 – Construction Accounting and Finance</td>
<td>CE 534/634 – Advanced Structural Mechanics</td>
</tr>
<tr>
<td>CE 568 – Construction Scheduling</td>
<td>CE 531 – Structural Dynamics</td>
</tr>
</tbody>
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<th>Environmental and Water Resources Engineering</th>
<th>Transportation Systems Engineering</th>
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<tr>
<td>CE 575 – Hydrology</td>
<td>CE 559 – Pavement Design and Rehabilitation</td>
</tr>
<tr>
<td>CE 524-Water &amp; Wastewater Treatment</td>
<td>CE 655 – Sustainable Transportation</td>
</tr>
</tbody>
</table>

### Required Forms
- 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](http://graduate.ua.edu) and [cce.eng.ua.edu](http://cce.eng.ua.edu).

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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.