PHD (Civil Engineering) DEGREE REQUIREMENTS

Plan of Study

- A minimum of 72 credit hours beyond the bachelor’s degree, to include:
  - 24 credit hours of CE 699 Dissertation Research
  - 3 credit hours of CE 593/693 Practicum
  - 45 credit hours of approved coursework (including coursework taken as part of MS degree)
- Approved Coursework (45 hours) to include:
  - 9 credit hours of core coursework (see below)
  - 24 credit hour’s maximum of approved transfer credit

Doctoral Examinations

- **Qualifying Exam**: taken in the second semester of study, includes a written component with possible oral follow-up, and administered by a department committee including at least two faculty members from the student’s area of study (i.e., core course area)
- **Preliminary Exam**: administered by the student’s dissertation committee (see below), has both a written and oral component, and includes a research proposal presentation and defense
- **Dissertation Defense**: administered by the student’s dissertation committee (see below) and focuses on the dissertation research
- Each doctoral exam is allowed to be taken a maximum of two times

Dissertation Committee

- The committee chair (doctoral advisor) must be full graduate faculty member from the department
- The committee must consist of a minimum of five members of the graduate faculty, including the chair
- The majority must be from the department with at least one member from outside the department

Residency Requirements

- A minimum of 3 years of continuous doctoral study
- A minimum of 1 continuous academic year in residence (i.e., on campus)
- Maximum of 9 years to complete degree

PhD Core Coursework Requirements (9 hours)

<table>
<thead>
<tr>
<th>Construction Engineering and Management</th>
<th>Structural Engineering and Materials</th>
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</thead>
<tbody>
<tr>
<td>CE 573-Statistical Applications (REQUIREMENT)</td>
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<tr>
<td>CE 567-Constr. Accounting &amp; Finance</td>
<td>CE 634-Advanced Structural Mechanics (PhD)</td>
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<td>CE 568-Construction Scheduling</td>
<td>CE 531-Structural Dynamics</td>
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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 558-Traffic Engineering</td>
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<tr>
<td>CE 524-Water &amp; Wastewater Treatment</td>
<td>CE 655-Sustainable Transportation</td>
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</tbody>
</table>

Required Forms2 (all forms are available from [graduate.ua.edu](http://graduate.ua.edu))

- Appointment/Change of Doctoral Dissertation Committee
- Outline of PhD Program (Plan of Study)
- Doctoral Qualifying Exam Form or a memo with committee signatures
- Admission to Candidacy for the Doctoral Degree
- Doctoral Final Defense Form or a memo with committee signatures
- Committee Acceptance Form for Electronic Thesis
- Publication Form for Electronic Dissertation
- Application for Degree

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 Students on graduate assistantships must register for a minimum of 1 credit hour of CE 693 each semester they are supported
2 Students are responsible for all forms and must route all forms through the Department prior to submission to the Graduate School

Revised 8/11/2022