



PHD (Civil Engineering) DEGREE REQUIREMENTS



Plan of Study

- A minimum of 57 credit hours beyond the bachelor's degree, to include:
 - 18 credit hours of CE 699 Dissertation Research
 - 3 credit hours of CE 593/693 Practicum¹
 - 36 credit hours of approved coursework (including coursework taken as part of MS degree)
- Approved Coursework (36 hours) to include:
 - 9 credit hours of core coursework (see below)
 - 18 credit hour's maximum of approved transfer credit (transfer courses may go back a maximum of 6 years)
- The Plan of Study must be submitted before 30 hours (including transfer credit) are completed towards degree

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 7 years to complete degree

PhD Core Coursework Requirements (9 hours)

Construction Engineering and Management CE 573-Statistical Applications (REQUIREMENT) CE 567-Constr. Accounting & Finance CE 568-Construction Scheduling	Structural Engineering and Materials CE 573-Statiscal Applications (REQUIREMENT) CE 634-Advanced Structural Mechanics (PhD) CE 531-Structural Dynamics
Environmental and Water Resources Engineering CE 573-Statistical Application (REQUIREMENT) CE 575-Hydrology CE 524-Water & Wastewater Treatment	Transportation Systems Engineering CE 573-Statistical Applications (REQUIREMENT) CE 558-Traffic Engineering CE 655-Sustainable Transportation

Required Forms² (all forms are available from 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 and cce.eng.ua.edu.

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