



MSCE DEGREE REQUIREMENTS



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)

Coursework Only, Non-Thesis Option (Plan II)

<ul style="list-style-type: none"> • 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 • 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 • 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 	<ul style="list-style-type: none"> • Plan of Study¹ (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 courses³ 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
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MSCE Core Coursework Requirements (9 hours)

<p>Construction Engineering and Management</p> <ul style="list-style-type: none"> CE 573 – Statistical Applications in Civil Engineering CE 567 – Construction Accounting and Finance CE 568 – Construction Scheduling 	<p>Structural Engineering and Materials</p> <ul style="list-style-type: none"> CE 573 – Statistical Applications in Civil Engineering CE 534/634 – Advanced Structural Mechanics CE 531 – Structural Dynamics
<p>Environmental and Water Resources Engineering</p> <ul style="list-style-type: none"> CE 573 – Statistical Applications in Civil Engineering CE 575 – Hydrology CE 524-Water & Wastewater Treatment 	<p>Transportation Systems Engineering</p> <ul style="list-style-type: none"> CE 573 – Statistical Applications in Civil Engineering CE 559 – Pavement Design and Rehabilitation CE 655 – Sustainable Transportation

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

<ul style="list-style-type: none"> • 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)
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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.

