

THE TIME IS NOW!

The practice of structural engineering requires a solid understanding of the essentials of structural mechanics to fully appreciate and implement the design guidance and procedures prescribed in the governing codes and standards. As codes and standards grow more complex, the need for a graduate degree becomes more critical. In addition to technical acumen, career growth in the business of structural engineering requires a broad understanding of sustainability and management practices. Properly prepared practitioners are better positioned to assume greater responsibility and the commensurate benefits of higher pay and broader career advancement opportunities.

The UAB MEng in Structural Engineering is delivered online so that working professionals anywhere in the world can learn from faculty with an abundance of experience teaching and practicing engineering.

For more information about the UAB MEng in Structural Engineering, please contact:



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DEADLINES FOR APPLICATION

Summer

Term

May 1st

Fall

Term

Aug. 1st

Spring

Term

Dec. 1st



Department of Civil, Construction,
& Environmental Engineering

UAB THE UNIVERSITY OF
ALABAMA AT BIRMINGHAM

For More Information contact:

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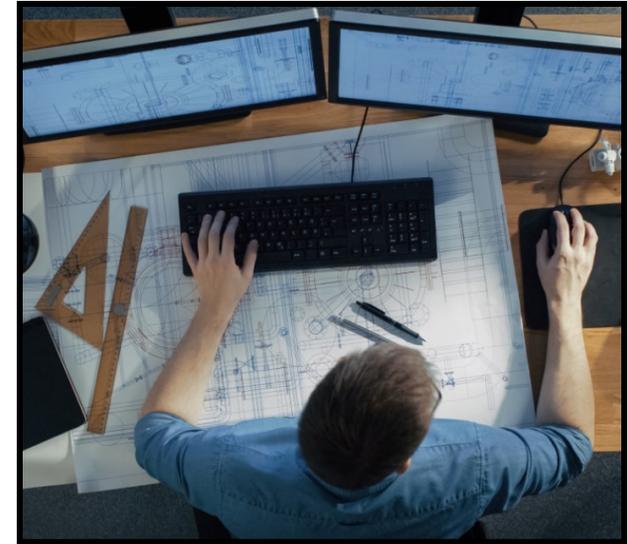
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UAB

SCHOOL OF ENGINEERING

The University of Alabama at Birmingham



Master of Engineering
in
Structural Engineering
100% Online Degree

Complete Your Master's Degree
in only 19 Months

While You Keep Your Day Job!

Department of Civil, Construction,
& Environmental Engineering

UAB THE UNIVERSITY OF
ALABAMA AT BIRMINGHAM

1075 13th Street South

Birmingham, AL 35205-3430

www.uab.edu/engineering/cse/

UAB THE UNIVERSITY OF ALABAMA AT BIRMINGHAM

STRUCTURAL ENGINEERING

The University of Alabama at Birmingham (UAB) School of Engineering offers a unique opportunity to earn a Master of Engineering (MEng) degree with a concentration in Structural Engineering to qualified working professionals who hold a bachelor's degree in civil or mechanical engineering from an ABET accredited College or University.

- Increase your earning and promotion potential with a MEng degree with a concentration in structural engineering.
- The 30-hour degree can be completed online in 19 months.
- Designed for individuals who want to interact with peers using state-of-the-art online instructional methods.
- Learn from instructors with years of industry experience.
- **All credits earned toward the MEng degree can be applied to the coursework requirements of the Master of Science in Civil Engineering (MSCE).**

WHO SHOULD APPLY

- Civil engineering graduates looking for an advanced degree with a structural engineering focus.
- Mechanical engineering graduates desiring to learn about the design of civil infrastructure.
- Engineers who inspect structural work.
- Engineering project managers.
- Structural materials and design innovators.
- Utility company and public works engineers and managers.
- Government engineers responsible for managing, planning, designing, or inspecting structural work.
- Military engineers transitioning to civilian life.
- Women interested in capitalizing on the current industry demand to bridge the gender gap in the structural engineering workforce.



MEng in STRUCTURAL ENGINEERING CURRICULUM

COURSE NO.	TITLE	HRS
CESE 656	Advanced Mechanics of Materials	3
CESE 657	Advanced Design of Steel Structures	3
CESE 659	Advanced Reinforced Concrete	3
CESE 660	Prestress Concrete Behavior and Design	3
CESE 662	Advanced Structural Analysis	3
CESE 664	Bridge Engineering	3
CESE 665	Structural Dynamics and Earthquake Eng.	3
CECM 6**	Three CECM Electives - (See Below)	9
TOTAL		30

**CECM Electives

CECM 669	Advanced Project Management	3
CECM 671	Construction Liability and Contracts	3
CECM 673	Project Planning and Control	3
CECM 674	Green Building Design / Construction	3
CECM 675	Adv. Construction & Eng. Economics	3
CECM 676	Construction Project Risk Management	3
CECM 689	Building Information Modeling	3

TUITION AND FEES

Structural engineering students typically register for two courses per academic term, and complete the degree in five terms. Summarized below in Table 1 are the applicable UAB tuition and fees for two courses per academic term during the 2022-2023 academic year.

Occasionally, students decide to take only one course per term, but rarely do students take more than two courses per term.

Table 1. Summary of Applicable Tuition and Fees per Term

Tuition Per Credit Hr.	Credit Hrs. Per Course	Program Fee Per Course	Cost Per Course	Courses Per Term	Total Cost Per Term
\$571 ¹	3	\$1,713	\$900	2	\$5,226

Note: 1. \$75 per credit hour additional International Tuition not included

2. UAB tuition and fees are subject to change

Total Cost = \$5,226 per term X 5 terms = \$26,130

ALL ONLINE STUDENTS PAY IN-STATE TUITION

STUDENTS

The University of Alabama at Birmingham (UAB) offers a Master of Engineering (MEng) degree with a concentration in Structural Engineering. Students enrolled in the MEng program in Structural Engineering have an opportunity to advance their technical knowledge in structural mechanics and design while also advancing their knowledge of sustainability and management. The 19-month curriculum is designed to fit the needs of working professionals desiring to earn a graduate degree while continuing full-time work.

The nationally ranked UAB MEng Program in Structural Engineering is seeking students who have a Bachelor's degree in Civil or Mechanical Engineering, who are interested in learning more about the practice and business of the structural engineering and are academically committed, self-motivated, and ready to learn. The fully-online program is convenient and available to students no matter where they are located geographically. When compared to similar programs, the affordability, rigor, and curriculum offered by UAB MEng program in Structural Engineering stands apart.

Come be part of our team by applying to the UAB Graduate School today.

ADMISSION REQUIREMENTS

- Bachelor's degree in Civil or Mechanical Engineering from an ABET accredited College or University.
- Undergraduate prerequisite courses in
 - Structural Analysis
 - Steel Design
 - Concrete Design.
- Original transcripts from all colleges and universities attended must be sent directly to the UAB Graduate School.
- No GRE required for students seeking MEng degree who hold a qualifying bachelor's degree from a U.S. College or University.
- Students seeking a Master of Science Degree must submit a GRE score.
- International students who do not have a degree from an ABET accredited U.S. institution are required to submit TOEFL, IELTS, or Duolingo¹ scores.
- Two letters of recommendation.
- Proper computer equipment with high speed internet access.
- All prospective students must demonstrate computer skills with a strong willingness to improve computer software skills and online communications abilities.

Note: 1. Duolingo scores are preferred by the UAB Graduate School