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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Christopher J. Waldron, Ph.D., PE
Director, Civil/Structural Engineering
Email: cwaldron@uab.edu
Office: (205) 934-8435
Fax: (205) 934-9855

DEADLINES FOR APPLICATION

<table>
<thead>
<tr>
<th>Summer Term</th>
<th>Fall Term</th>
<th>Spring Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 1st</td>
<td>Aug. 1st</td>
<td>Dec. 1st</td>
</tr>
</tbody>
</table>

For More Information contact:
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Email: cwaldron@uab.edu
Phone: (205) 934-8435

1075 13th Street South
Birmingham, AL 35205-3430

www.uab.edu/engineering/cse/
**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**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>TITLE</th>
<th>HRS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEE 656</td>
<td>Advanced Mechanics of Materials</td>
<td>3</td>
</tr>
<tr>
<td>CEE 657</td>
<td>Advanced Design of Steel Structures</td>
<td>3</td>
</tr>
<tr>
<td>CEE 659</td>
<td>Advanced Reinforced Concrete</td>
<td>3</td>
</tr>
<tr>
<td>CEE 660</td>
<td>Prestress Concrete Behavior and Design</td>
<td>3</td>
</tr>
<tr>
<td>CEE 662</td>
<td>Advanced Structural Analysis</td>
<td>3</td>
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<tr>
<td>CEE 664</td>
<td>Bridge Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CEE 665</td>
<td>Structural Dynamics and Earthquake Eng.</td>
<td>3</td>
</tr>
<tr>
<td>CECM 6**</td>
<td>Three CECM Electives - (See Below)</td>
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**Total 30**

**CECM Electives**

<table>
<thead>
<tr>
<th>CECM 669</th>
<th>Advanced Project Management</th>
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<tr>
<td>CECM 671</td>
<td>Construction Liability and Contracts</td>
<td>3</td>
</tr>
<tr>
<td>CECM 673</td>
<td>Project Planning and Control</td>
<td>3</td>
</tr>
<tr>
<td>CECM 674</td>
<td>Green Building Design / Construction</td>
<td>3</td>
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<tr>
<td>CECM 676</td>
<td>Construction Project Risk Management</td>
<td>3</td>
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<tr>
<td>CECM 689</td>
<td>Building Information Modeling</td>
<td>3</td>
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**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

<table>
<thead>
<tr>
<th>Tuition Credit</th>
<th>Credit Per Hr.</th>
<th>Program Fee Per Course</th>
<th>Per Hrs.</th>
<th>Per Course</th>
<th>Per Term</th>
<th>Total Cost</th>
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<tbody>
<tr>
<td></td>
<td>$71\textsuperscript{1}</td>
<td>$1,713</td>
<td>$900</td>
<td>$2,613</td>
<td>2</td>
<td>$5,226</td>
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</tbody>
</table>

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

**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 Duolingo\textsuperscript{2} 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

**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.