Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org

In order to progress in your curriculum in the Gallogly College of Engineering, and as a specific graduation requirement, a grade of C or better is required in each course in the curriculum, including all prerequisite courses.

Two college-level courses in a single foreign language are required; this may be satisfied by successful completion of 2 years in a single foreign language in high school. Students who must take foreign language at the University will have an additional 6-10 hours of coursework.

### General Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Minimum Total Credit Hours</td>
<td>130</td>
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<tr>
<td>Minimum Retention/Graduation Grade Point Averages:</td>
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<tr>
<td>Overall - Combined and OU</td>
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<tr>
<td>Major - Combined and OU</td>
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OU encourages students to complete at least 33 hours of applicable coursework each year to have the opportunity to graduate in 4 years.

### Program

Architectural Engineering

B035

Bachelor of Science in
Architectural Engineering

### Requirements for the Bachelor of Science in Architectural Engineering

<table>
<thead>
<tr>
<th>Year</th>
<th>FIRST SEMESTER</th>
<th>CREDIT HOURS</th>
<th>SECOND SEMESTER</th>
<th>CREDIT HOURS</th>
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<tr>
<td>FRESHMAN</td>
<td>ENGL 1113 Principles of English Composition (Core I)</td>
<td>3</td>
<td>ENGL 1213 or EXPO 1213 Principles of English Composition (Core I) or Expository Writing</td>
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<td>GEOL 1114 Physical Geology for Science and Engineering Majors</td>
<td>3</td>
<td>MATH 2924 Differential and Integral Calculus II</td>
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<td>MATH (calculus or above)</td>
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<td>ARCH 1263 Methods II - Pattern of Architecture</td>
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<td>Basic Science Elective</td>
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<td>PSC 1113 American Federal Government (Core III)</td>
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<td>MATH 1914 Differential and Integral Calculus I</td>
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<td>ENGR 1410 Freshman Engineering Orientation</td>
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<td>CEEES 1112 Introduction to Civil Engineering and Environmental Science</td>
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<td>ARCH 2363 Materials and Form</td>
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<td>SOPHOMORE</td>
<td>ARCH 2243 History of the Built Environment I (Core IV: Western Civilization &amp; Culture)</td>
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<td>CHEM 1315 General Chemistry (Core II)</td>
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<td>ENGR 2002 Professional Development</td>
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<td>PHYS 2524 General Physics for Engineering and Science Majors</td>
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<td>MATH 3113 Introduction to Ordinary Differential Equations</td>
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<td>CEEES 1000 CEEES Seminar</td>
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<td>CEEES 2213 CADD Fundamentals</td>
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<td>CEEES 2153 Mechanics of Materials</td>
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<td>CEEES 2113 Statics</td>
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<td>CEEES 2223 Fluid Mechanics</td>
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<td>JUNIOR</td>
<td>AME 2213 Thermodynamics</td>
<td>3</td>
<td>AME 3173 Heat Transfer</td>
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<td>CEEES 3263 Introduction to Dynamics for Architectural and Civil Engineers</td>
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<td>CEEES 3403 Materials</td>
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<td>CEEES 3363 Soil Mechanics</td>
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<td>CEEES 3663 Structural Design - Steel I</td>
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<td>CEEES 3361 Soil Mechanics Laboratory</td>
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<td>CEEES 4113 Building Lighting and Electrical Systems</td>
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<td>CEEES 3413 Structural Analysis I</td>
<td>3</td>
<td>ENGL 3153 Technical Writing</td>
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<td>ENGR 2431 Electrical Circuits</td>
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<td>CEEES 3453 Introduction to Construction Management</td>
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<td>CEEES 3401 Engineering Economics</td>
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<tr>
<td>SENIOR</td>
<td>AME 4653 Air Conditioning Systems</td>
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<td>ANTH 4623 Approaches to Cross-Cultural Human Problems</td>
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<td>CEEES 3673 Structural Design - Concrete I</td>
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<td>CEEES 4753 Structural Design - Wood</td>
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<td>CEEES 4333 Foundation Engineering</td>
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<td>CEEES 4991 Introduction to AE Capstone</td>
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<td>CEEES 4993 Architecture Engineering Capstone</td>
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<td>HIST 1483 or HIST 1493 United States, 1492 to 1865 (Core IV) or United States, 1865 to the Present</td>
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</table>

1. MATH 1823, MATH 2423, MATH 2433, and MATH 2443 sequence can be substituted for MATH 1914, MATH 2924, and MATH 2934.
2. Engineering transfer students may take ENGR 3410 in place of ENGR 1410.
3. Students must complete a minimum of four semesters of CEEES 1000.
4. CHEM 1315 can be substituted with CHEM 1335 (Fall only).
5. Professional Elective can be chosen from any 3000-level or higher course in CEEES.
6. To be chosen from the University-Wide General Education Approved Course List. Three of these 12 hours must be upper-division (3000-4000). See list in the Class Schedule.

Courses designated as Core I, II, III, IV, or Capstone are part of the General Education curriculum. Students must complete a minimum of 40 hours of General Education courses, chosen from the approved list.