### REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN ARCHITECTURAL ENGINEERING/MASTER OF SCIENCE

B.S. Portion of the Program Accredited by the Engineering Accreditation Commission of ABET, [http://www.abet.org](http://www.abet.org)

**GALLOGLY COLLEGE OF ENGINEERING — THE UNIVERSITY OF OKLAHOMA**

**GENERAL REQUIREMENTS**

<table>
<thead>
<tr>
<th>Total Credit Hours</th>
<th>154-156+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Retention/Graduation Grade Point Averages:</td>
<td></td>
</tr>
<tr>
<td>Overall - Combined and OU</td>
<td>3.00</td>
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<tr>
<td>Major - Combined and OU</td>
<td>3.00</td>
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<tr>
<td>Curriculum - Combined and OU</td>
<td>3.00</td>
</tr>
<tr>
<td>A minimum grade of C is required for each course in the curriculum.</td>
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</table>

**OU encourages students to complete at least 30-32 hours of applicable coursework each year to have the opportunity to graduate in five years.**

- **FRESHMAN**
  - **FIRST SEMESTER**
    - ENGL 1113, Prin. of English Composition (Core I)
    - GEOL 1114, Physical Geology for Sci. & Engr., or other MATH (calculus or above) or Basic Science Elective (four credit hrs.)
    - MATH 1914, Differential and Integral Calculus I (Core I)
    - ENGR 1410, Freshman Engineering Orientation
    - CEES 1112, Intro. to CEES
    - ARCH 2363, Methods III – Materials and Form
  - **TOTAL CREDIT HOURS** 16

- **SECOND SEMESTER**
  - ENGL 1213, Prin. of English Composition (Core I), or EXP excellence Writing (Core I)
  - MATH 2924, Differential and Integral Calculus II
  - PHYS 3154, General Physics for Engineering & Science
  - ARCH 1263, Methods II – Pattern of Architecture
  - PSC 1113, American Federal Government (Core III)
  - **TOTAL CREDIT HOURS** 17

- **SOPHOMORE**
  - **FIRST SEMESTER**
    - ARCH 2243, History of the Built Environment I (Core IV: Western Civilization & Culture)
    - MATH 2934, Differential and Integral Calculus III
    - PHYS 2524, General Physics for Engr. & Science Majors
    - CEES 1000, CEES Seminar
    - CEES 2213, CADD Fundamentals
    - CEES 2113, Statics
  - **TOTAL CREDIT HOURS** 17

- **SECOND SEMESTER**
  - CHEM 1315, General Chemistry (Core II)
  - ENGR 2002, Professional Development
  - MATH 3113, Intro. to Ordinary Differential Equations
  - CEES 1000, CEES Seminar
  - CEES 2153, Mechanics of Materials
  - CEES 2223, Fluid Mechanics
  - **TOTAL CREDIT HOURS** 16

- **JUNIOR**
  - **FIRST SEMESTER**
    - AME 2213, Thermodynamics
    - CEES 3263, Introduction to Dynamics for Architectural and Civil Engineers
    - CEES 3363, Soil Mechanics
    - CEES 3413, Structural Analysis I
    - ENGR 2431, Electrical Circuits
    - ENGR 3401, Engineering Economics
  - **TOTAL CREDIT HOURS** 15

  - **SECOND SEMESTER**
    - AME 3173, Heat Transfer
    - CEES 1000, CEES Seminar
    - CEES 3403, Materials
    - CEES 3663, Structural Design – Steel I
    - CEES 4113, Building Lighting & Electrical Systems
    - ENGR 3453, Introduction to Construction Management
  - **TOTAL CREDIT HOURS** 18

- **SENIOR**
  - **FIRST SEMESTER**
    - AME 4653, Air Conditioning Systems (Core I)
    - CEES 3673, Structural Design – Concrete I
    - CEES Professional Elective**
    - CEES 4753, Structural Design — Wood
    - CEES 4691, Professional Practice
    - HIST 1483, U.S., 1492-1865, or 1493, U.S., 1865-Present (Core IV)
  - **TOTAL CREDIT HOURS** 16

  - **SECOND SEMESTER**
    - ANTH 4623, Approaches to Cross-Cultural Human Problems
    - CEES 1000, CEES Seminar
    - CEES 4333, Foundation Engineering
    - CEES 4993, Architectural Engineering Capstone
    - CEES Approved Elective: Core III: Social Science
    - CEES Approved Elective: Artistic Forms (Core IV)
  - **TOTAL CREDIT HOURS** 15

- **FIFTH YEAR**
  - **FIRST SEMESTER**
    - CEES Graduate-level Elective
    - CEES Graduate-level Elective
    - CEES Graduate-level Elective
    - **TOTAL CREDIT HOURS** 11-12

  - **SECOND SEMESTER**
    - CEES 5024, Special Topics or Graduate-level Elective
    - CEES 5989, Thesis Research or Graduate-level Elective
    - CEES Graduate-level Elective
    - CEES Graduate-level Elective
    - CEES Graduate-level Elective
    - **TOTAL CREDIT HOURS** 12-15

**†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. In the College of Engineering, in order to progress in your curriculum, and as a specific graduation requirement, a grade of C or better is required in each course in the curriculum. Please refer to the General Catalog for additional enrollment limitations. Students must successfully complete prerequisite courses (with a minimum C grade) before proceeding to the next course.**

**§To take a course designated as CEES 4993, Architectural Engineering Capstone, students must have completed prerequisites for CEES 4993.**

**‡To be chosen from the University-Wide General Education Approved Course List. Students must complete a minimum of 40 hours of General Education courses, chosen from the approved list.**

**§CHEM 1315 can be substituted with CHEM 1335 (Fall only).**

**‖Students must complete a minimum of 4 semesters of CEES 1000.**

**‡‡Students may enter the accelerated program based on the undergraduate degree pattern offered in the year they first enrolled in the Oklahoma State System of Higher Education or later.**

**§§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.**

**††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. In the College of Engineering, in order to progress in your curriculum, and as a specific graduation requirement, a grade of C or better is required in each course in the curriculum. Please refer to the General Catalog for additional enrollment limitations. Students must successfully complete prerequisite courses (with a minimum C grade) before proceeding to the next course.**

**‡‡‡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.**

**§§§Students must complete a minimum of four semesters of CEES 1000.**

**‡‡‡‡Fourth- and fifth-year graduate courses must satisfy approved Civil Engineering requirements for the Master of Science.**

****‡‡‡‡‡Professional Elective can be chosen from any 3000-level or higher course in CEES.**