CONSTRUCTION ENGINEERING TECHNOLOGY: HEAVY, BSET

Requirements for Students Matriculating in or before Academic Year 2024-2025. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/#matriculation).

Minimum Overall Grade Point Average: 2.00
Total Hours: 124

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 1413</td>
<td>Critical Analysis and Writing II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1103</td>
<td>Survey of American History</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 1483</td>
<td>American History to 1865 (H)</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 1493</td>
<td>American History Since 1865 (DH)</td>
<td>3</td>
</tr>
<tr>
<td>POLS 1113</td>
<td>American Government</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2144</td>
<td>Calculus I (A) (With a grade of &quot;C&quot; or better)</td>
<td>4</td>
</tr>
<tr>
<td>Courses designated (H)</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Natural Sciences (N)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 1114</td>
<td>College Physics I (LN) (With a grade of &quot;C&quot; or better in PHYS 1114 or PHYS 2114)</td>
<td>4</td>
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<tr>
<td>or PHYS 2014</td>
<td>University Physics I (LN)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1214</td>
<td>College Physics II (LN) (With a grade of &quot;C&quot; or better in PHYS 1214 or PHYS 2114)</td>
<td>4</td>
</tr>
<tr>
<td>or PHYS 2114</td>
<td>University Physics II (LN)</td>
<td>4</td>
</tr>
<tr>
<td>Select an additional 4 hours of Natural Science with N and L designations</td>
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<td>4</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences (S)</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Hours Subtotal</td>
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<td>43</td>
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Diversity (D) & International Dimension (I)
May be completed in any part of the degree plan.
Select at least one Diversity (D) course
Select at least one International Dimension (I) course

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIV 1111</td>
<td>First Year Seminar (or other approved first year seminar course)</td>
<td>1</td>
</tr>
<tr>
<td>CET 1213</td>
<td>Introduction to Construction (With a grade of &quot;C&quot; or better)</td>
<td>3</td>
</tr>
<tr>
<td>CET 2253</td>
<td>Prinreading &amp; BIM (With a grade of &quot;C&quot; or better)</td>
<td>3</td>
</tr>
<tr>
<td>CET 2263</td>
<td>Estimating I (With a grade of &quot;C&quot; or better)</td>
<td>3</td>
</tr>
<tr>
<td>CET 2343</td>
<td>Concrete Technology (With a grade of &quot;C&quot; or better)</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2103</td>
<td>Financial Accounting (With a grade of &quot;C&quot; or better in ACCT 2103 or ACCT 2003)</td>
<td>3</td>
</tr>
<tr>
<td>or ACCT 2003</td>
<td>Survey of Accounting</td>
<td>3</td>
</tr>
<tr>
<td>EET 1003</td>
<td>Introduction to Microcomputer Programming (With a grade of &quot;C&quot; or better)</td>
<td>3</td>
</tr>
<tr>
<td>ENSC 2113</td>
<td>Statics (With a grade of &quot;C&quot; or better)</td>
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<td>Hours Subtotal</td>
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<td>22</td>
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Major Requirements

Communications

<table>
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<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>SPCH 2713</td>
<td>Introduction to Speech Communication (S) (With a Grade of &quot;C&quot; or Better)</td>
<td>3</td>
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Specialty

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>CET 3163</td>
<td>Field Engineering Applications (With a grade of &quot;C&quot; or better)</td>
<td>3</td>
</tr>
<tr>
<td>CET 3273</td>
<td>Scheduling Construction Projects (With a grade of &quot;C&quot; or better)</td>
<td>3</td>
</tr>
<tr>
<td>CET 3322</td>
<td>Construction Practicum I (With a grade of &quot;C&quot; or better)</td>
<td>2</td>
</tr>
<tr>
<td>CET 3332</td>
<td>Construction Practicum II (With a grade of &quot;C&quot; or better)</td>
<td>2</td>
</tr>
<tr>
<td>CET 3432</td>
<td>Principles of Site Development (With a grade of &quot;C&quot; or better)</td>
<td>2</td>
</tr>
<tr>
<td>CET 4263</td>
<td>Estimating II (With a grade of &quot;C&quot; or better)</td>
<td>3</td>
</tr>
<tr>
<td>CET 4283</td>
<td>Business Practices for Construction (With a grade of &quot;C&quot; or better)</td>
<td>3</td>
</tr>
<tr>
<td>CET 4293</td>
<td>Construction Manager Concepts (With a grade of &quot;C&quot; or better)</td>
<td>3</td>
</tr>
<tr>
<td>CET 4333</td>
<td>Equipment Management for Constructors (With a grade of &quot;C&quot; or better)</td>
<td>3</td>
</tr>
<tr>
<td>CET 4443</td>
<td>Construction Safety and Loss Control</td>
<td>3</td>
</tr>
<tr>
<td>CET 4533</td>
<td>Heavy Civil Construction and Estimating (With a grade of &quot;C&quot; or better)</td>
<td>3</td>
</tr>
<tr>
<td>CET 4553</td>
<td>Structural Steel Design &amp; Connections (With a grade of &quot;C&quot; or better)</td>
<td>3</td>
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<tr>
<td>CET 4563</td>
<td>Construction Law and Insurance (With a grade of &quot;C&quot; or better)</td>
<td>3</td>
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<tr>
<td>CET 4663</td>
<td>Concrete Design &amp; Formwork (With a grade of &quot;C&quot; or better)</td>
<td>3</td>
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<tr>
<td>CIVE 3614</td>
<td>Engineering Surveying (With a grade of &quot;C&quot; or better)</td>
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<tr>
<td>CIVE 4711</td>
<td>Basic Soils Testing Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ENSC 2143</td>
<td>Strength of Materials (With a grade of &quot;C&quot; or better in ENSC 2143, CET 3323, or GENT 3323)</td>
<td>3</td>
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</tbody>
</table>
Construction Engineering Technology: Heavy, BSET

or CET 3323   Theory of Built Structures
or GENT 3323   Strength of Materials

IEM 3513   Economic Decision Analysis  3

Hours Subtotal  53

Electives
Select 6 hours of the following:  6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 3213</td>
<td>Soft Skills for Effective Interpersonal Communication (S)</td>
</tr>
<tr>
<td>CET 3463</td>
<td>Environmental Building Systems (With a grade of &quot;C&quot; or better)</td>
</tr>
<tr>
<td>CIVE 3623</td>
<td>Engineering Materials Laboratory</td>
</tr>
<tr>
<td>CET 4050</td>
<td>Advanced Construction Management Problems</td>
</tr>
<tr>
<td>CET 4133</td>
<td>CAD and BIM for Construction Managers</td>
</tr>
<tr>
<td>CET 4273</td>
<td>Technology in Construction (With a grade of &quot;C&quot; or better)</td>
</tr>
<tr>
<td>EEE 3023</td>
<td>Introduction to Entrepreneurial Thinking and Behavior</td>
</tr>
<tr>
<td>EEE 4223</td>
<td>Entrepreneurial Marketing</td>
</tr>
<tr>
<td>EEE 4533</td>
<td>Growing Small and Family Ventures</td>
</tr>
<tr>
<td>FEMP 3103</td>
<td>Introduction to Emergency Management (S)</td>
</tr>
<tr>
<td>FEMP 3733</td>
<td>Emergency Management: Preparedness and Response</td>
</tr>
<tr>
<td>FEMP 3763</td>
<td>Emergency Management: Recovery and Mitigation</td>
</tr>
<tr>
<td>FPST 3013</td>
<td>Safety Management (S)</td>
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<tr>
<td>MKTG 3013</td>
<td>Fundamentals of Management (S)</td>
</tr>
<tr>
<td>MKTG 3213</td>
<td>Marketing (S)</td>
</tr>
</tbody>
</table>

Hours Subtotal  6

Total Hours  124

Graduation Requirements
1. A minimum technical GPA of 2.0 is required. The technical GPA is calculated from all courses counting in the curriculum with a prefix belonging to the degree program, or substitutions for these courses.
2. A grade of "C" or better is required in each course that is a prerequisite to a required course that has an engineering or engineering technology prefix. A grade of "C" or better is also required in CET 3213, CET 3463, CET 3433, CET 4273, CET 4293, CET 4333 and CET 4533.
3. Each student is required to sit for the American Institute of Constructors Level 1 – Associate Constructors Certification Exam or Fundamentals of Engineering Exam.

Additional State/OSU Requirements
- Degrees that follow this plan must be completed by the end of Summer 2030.

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.