# Construction Engineering Technology: Building, BSET

## Requirements for Students Matriculating in or before Academic Year 2021-2022

Learn more about University Academic Regulation 3.1 ([http://catalog.okstate.edu/university-academic-regulations/#matriculation](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></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## General Education Requirements

All General Education coursework requirements are satisfied upon completion of this degree plan.

### English Composition

See Academic Regulation 3.5 ([http://catalog.okstate.edu/university-academic-regulations/#english-composition](http://catalog.okstate.edu/university-academic-regulations/#english-composition))

- ENGL 1113 Composition I 3
- or ENGL 1313 Critical Analysis and Writing I

- ENGL 1213 Composition II 3
- or ENGL 1413 Critical Analysis and Writing II

- ENGL 3323 Technical Writing 3

## American History & Government

Select one of the following:

- HIST 1103 Survey of American History 3
- HIST 1483 American History to 1865 (H) 3
- HIST 1493 American History Since 1865 (DH) 3

### Analytical & Quantitative Thought (A)

- MATH 2123 Calculus for Technology Programs I (A) (With a grade of "C" or better in MATH 2123 or MATH 2144) 1 3
- or MATH 2144 Calculus I (A) 3

- MATH 2133 Calculus for Technology Programs II (A) (With a grade of "C" or better in MATH 2133 or 2153) 1 3
- or MATH 2153 Calculus II (A) 3

### Humanities (H)

Courses designated (H) 6

### Natural Sciences (N)

Must include one Laboratory Science (L) course.

- PHYS 1114 College Physics I (LN) (With a grade of "C" or better in PHYS 1114 or PHYS 2014) 1 4
- or PHYS 2014 University Physics I (LN) 4

- PHYS 1214 College Physics II (LN) (With a grade of "C" or better in PHYS 1214 or PHYS 2114) 1 4
- or PHYS 2114 University Physics II (LN) 4

Select an additional 4 hours of Natural Science with N and L designations 4

### Social & Behavioral Sciences (S)

Courses designated (S) 6

## Hours Subtotal

45

### 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

## College/Departmental Requirements

### Specialty

- CET 1213 Introduction to Construction (With a grade of "C" or better) 1 3
- CET 2253 Printreading & BIM (With a grade of "C" or better) 1 3
- CET 2263 Estimating I (With a grade of "C" or better) 1 3
- CET 2343 Concrete Technology (With a grade of "C" or better) 1 3

### Related Specialty

- ACCT 2103 Financial Accounting (With a grade of "C" or better in ACCT 2103 or ACCT 2003) 1 3
- or ACCT 2003 Survey of Accounting 3
- EET 1003 Introduction to Microcomputer Programming (With a grade of "C" or better) 1
- ENSC 2113 Statics (With a grade of "C" or better) 1 3

### Hours Subtotal

21

## Communications

- SPCH 2713 Introduction to Speech Communication (S) (With a grade of "C" or better) 1 3

## Major Requirements

### Specialty

- CET 3273 Scheduling Construction Projects (With a grade of "C" or better) 3
- CET 3322 Construction Practicum I (With a grade of "C" or better) 2
- CET 3332 Construction Practicum II (With a grade of "C" or better) 2
- CET 3364 Structures I (With a grade of "C" or better) 4
- CET 3433 Principles of Site Development (With a grade of "C" or better) 3
- CET 3463 Environmental Building Systems (With a grade of "C" or better) 3
- CET 3554 Structures II 4
- CET 4253 Estimating II (With a grade of "C" or better) 3
- CET 4273 Technology in Construction (With a grade of "C" or better) 3
- CET 4283 Business Practices for Construction (With a grade of "C" or better) 3
- CET 4293 Construction Manager Concepts (With a grade of "C" or better) 3
- CET 4443 Construction Safety and Loss Control 3
- CET 4563 Construction Law and Insurance (With a grade of "C" or better) 3

### Related Specialty

- CIVE 3614 Engineering Surveying (With a grade of "C" or better) 4
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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>
</tr>
<tr>
<td>or CET 3323</td>
<td>Theory of Built Structures</td>
<td></td>
</tr>
<tr>
<td>or GENT 3323</td>
<td>Strength of Materials</td>
<td></td>
</tr>
<tr>
<td>IEM 3513</td>
<td>Economic Decision Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

Select 6 hours of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 3213</td>
<td>Soft Skills for Effective Interpersonal Communication (S) (With a grade of &quot;C&quot; or better)</td>
<td>3</td>
</tr>
<tr>
<td>CET 3633</td>
<td>CAD and BIM for Construction Managers</td>
<td></td>
</tr>
<tr>
<td>CET 4333</td>
<td>Equipment Management for Constructors</td>
<td></td>
</tr>
<tr>
<td>(With a grade of &quot;C&quot; or better)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CET 4533</td>
<td>Heavy Civil Construction and Estimating</td>
<td></td>
</tr>
<tr>
<td>(With a grade of &quot;C&quot; or better)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CET 4050</td>
<td>Advanced Construction Management Problems</td>
<td></td>
</tr>
<tr>
<td>EEE 3023</td>
<td>Introduction to Entrepreneurial Thinking and Behavior</td>
<td>3</td>
</tr>
<tr>
<td>EEE 4223</td>
<td>Entrepreneurial Marketing</td>
<td></td>
</tr>
<tr>
<td>EEE 4533</td>
<td>Growing Small and Family Ventures</td>
<td></td>
</tr>
<tr>
<td>FEMP 3103</td>
<td>Introduction to Emergency Management (S)</td>
<td></td>
</tr>
<tr>
<td>FEMP 3733</td>
<td>Emergency Management: Preparedness and Response</td>
<td></td>
</tr>
<tr>
<td>FEMP 3763</td>
<td>Emergency Management: Recovery and Mitigation</td>
<td></td>
</tr>
<tr>
<td>FPST 3013</td>
<td>Safety Management (S)</td>
<td></td>
</tr>
<tr>
<td>MGMT 3013</td>
<td>Fundamentals of Management (S)</td>
<td></td>
</tr>
<tr>
<td>MKTG 3213</td>
<td>Marketing (S)</td>
<td></td>
</tr>
</tbody>
</table>

**Total Hours** 124

1. Complete all required courses prior to admission to Upper Division. (These courses are also listed on the Calculation Work Sheet of the CET Application to Upper Division form.)

**Other Requirements**

**Admission to Upper Division (required)**

1. Refer to the OSU Catalog corresponding to your matriculation date and the Policy for Admission to the Upper Division of the Curriculum for CET for detailed admissions requirements.
2. Complete a minimum of 60 credit hours (from the degree plan) prior to admission to Upper Division.
3. Achieve a minimum Selection GPA (SGPA) of 3.05 (from the Calculation Work Sheet of the CET Application to Upper Division form).

**Graduation Requirements**

1. A minimum technical GPA of 2.00 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 the Fundamentals of Engineering Exam.

**Additional State/OSU Requirements**

- 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.
- Degrees that follow this plan must be completed by the end of Summer 2027.