CONSTRUCTION ENGINEERING TECHNOLOGY: HEAVY, 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).

Minimum Overall Grade Point Average: 2.00
Total Hours: 124

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1113</td>
<td>Composition I ¹</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
<td></td>
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<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
<td>3</td>
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<tr>
<td>or ENGL 1413</td>
<td>Critical Analysis and Writing II</td>
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<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
<td>3</td>
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American History & Government
Select one of the following: 3
- HIST 1103 Survey of American History
- HIST 1483 American History to 1865 (H)
- HIST 1493 American History Since 1865 (DH)
- POLS 1113 American Government

Analytical & Quantitative Thought (A)
- MATH 2123 Calculus for Technology Programs I (A) (With a grade of "C" or better in MATH 2123 or 2144) ¹ 3
- or MATH 2144 Calculus I (A) 1
- MATH 2133 Calculus for Technology Programs II (A) (With a grade of "C" or better in MATH 2133 or MATH 2153) ¹ 3
- or MATH 2153 Calculus II (A) 1

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

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CET 1213</td>
<td>Introduction to Construction (With a grade of &quot;C&quot; or better) ¹</td>
<td>3</td>
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<tr>
<td>CET 2253</td>
<td>Printreading &amp; BIM (With a grade of &quot;C&quot; or better) ¹</td>
<td>3</td>
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<tr>
<td>CET 2263</td>
<td>Estimating I (With a grade of &quot;C&quot; or better) ¹</td>
<td>3</td>
</tr>
<tr>
<td>CET 2343</td>
<td>Concrete Technology (With a grade of &quot;C&quot; or better) ¹</td>
<td>3</td>
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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 1
- EET 1003 Introduction to Microcomputer Programming (With a grade of "C" or better) ¹ 3
- ENSC 2113 Statics (With a grade of "C" or better) ¹ 3

Hours Subtotal 21

Major Requirements

Communications
- SPCH 2713 Introduction to Speech Communication (S) (With a Grade of "C" or Better) ¹ 3

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 3554 Structures II 4
- CET 4263 Estimating II (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 4333 Equipment Management for Constructors (With a grade of "C" or better) 3
- CET 4443 Construction Safety and Loss Control 3
- CET 4533 Heavy Civil Construction and Estimating (With a grade of "C" or better) 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

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) 1
- 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) 1

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

Social & Behavioral Sciences (S)
Courses designated (S) 6
ENSC 2143  Strength of Materials (With a grade of
"C" or better in ENSC 2143, CET 3323, or
GENT 3323)  3
or CET 3323  Theory of Built Structures
or GENT 3323  Strength of Materials
IEM 3513  Economic Decision Analysis  3

Hours Subtotal  52

Electives
Select 6 hours of the following:  6

CET 3463  Environmental Building Systems (With a
grade of "C" or better)
CET 3213  Soft Skills for Effective Interpersonal
Communication (S)
CET 3633  CAD and BIM for Construction Managers
CET 4050  Advanced Construction Management
Problems
CET 4273  Technology in Construction (With a grade
of "C" or better)
EEE 3023  Introduction to Entrepreneurial Thinking
and Behavior
EEE 4223  Entrepreneurial Marketing
EEE 4533  Growing Small and Family Ventures
FEMP 3103  Introduction to Emergency Management
(S)
FEMP 3733  Emergency Management: Preparedness
and Response
FEMP 3763  Emergency Management: Recovery and
Mitigation
FPST 3013  Safety Management (S)
MGMT 3013  Fundamentals of Management (S)
MKTG 3213  Marketing (S)

Hours Subtotal  6

Total Hours  124

1. Complete all 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.)

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

• 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.

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 2.0 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.