## Construction Engineering Technology: Building, BSET

### Requirements for Students Matriculating in or before Academic Year 2023-2024

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

### Code | Title | Hours
--- | --- | ---
**General Education Requirements**<br> All General Education coursework requirements are satisfied upon completion of this degree plan  
**English Composition**<br> See Academic Regulation 3.5 ([http://catalog.okstate.edu/university-academic-regulations/#english-composition](http://catalog.okstate.edu/university-academic-regulations/#english-composition))<br> ENGL 1113 | Composition I | 3  
| or ENGL 1313 | Critical Analysis and Writing I | 3  
ENGL 1213 | Composition II | 3  
| or ENGL 1413 | Critical Analysis and Writing II | 3  
ENGL 3323 | Technical Writing | 3  
**American History & Government**<br> 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  
POLS 1113 | American Government | 3  
**Analytical & Quantitative Thought (A)**<br> MATH 2144 | Calculus I (A) (With a grade of "C" or better) | 4  
**Humanities (H)**<br> Courses designated (H) | 6  
**Natural Sciences (N)**<br> 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) | 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) | 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)**<br> Courses designated (S) | 6  
**Hours Subtotal** | 43  
**Diversity (D) & International Dimension (I)**<br> 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

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<thead>
<tr>
<th>Code</th>
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</table>
| ENGR 1111 | Introduction to Engineering | 1  
| CET 1213 | Introduction to Construction (With a grade of "C" or better) | 3  
| CET 2253 | Printreading & BIM (With a grade of "C" or better) | 3  
| CET 2263 | Estimating I (With a grade of "C" or better) | 3  
| CET 2343 | Concrete Technology (With a grade of "C" or better) | 3  

### Related Specialty

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

### General Education Requirements

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| ENGL 1113 | Composition I | 3  
| or ENGL 1313 | Critical Analysis and Writing I | 3  
| ENGL 1213 | Composition II | 3  
| or ENGL 1413 | Critical Analysis and Writing II | 3  
| 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  
- POLS 1113 | American Government | 3  

### Analytical & Quantitative Thought (A)

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| MATH 2144 | Calculus I (A) (With a grade of "C" or better) | 4  

### 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) | 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) | 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

43

### 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

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| CET 2263 | Estimating I (With a grade of "C" or better) | 3  
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| EET 1003 | Introduction to Microcomputer Programming (With a grade of "C" or better) | 3  
| ENSC 2113 | Statics (With a grade of "C" or better) | 3  

### Major Requirements

#### Communications

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

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| CET 3163 | Field Engineering Applications (With a grade of "C" or better) | 3  
| 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 3432 | Principles of Site Development (With a grade of "C" or better) | 2  
| CET 3463 | Environmental Building Systems (With a grade of "C" or better) | 3  
| 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 4553 | Structural Steel Design & Connections (With a grade of "C" or better) | 3  
| CET 4563 | Construction Law and Insurance (With a grade of "C" or better) | 3  
| CET 4663 | Concrete Design & Formwork (With a grade of "C" or better) | 3  

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| CIVE 3614 | Engineering Surveying (With a grade of "C" or better) | 4  
| CIVE 4711 | Basic Soils Testing Laboratory | 1  
| ENSC 2143 | Strength of Materials (With a grade of "C" or better in ENSC 2143, CET 3323, or GENT 3323) | 3  

### Code | Title | Hours |
| --- | --- | --- |
| ENSC 2143 | Strength of Materials (With a grade of "C" or better) | 3  

### Hours Subtotal

22
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

CET 3213  Soft Skills for Effective Interpersonal Communication (S) (With a grade of "C" or better)
CIVE 3623  Engineering Materials Laboratory
CET 3633  CAD and BIM for Construction Managers
CET 4050  Advanced Construction Management Problems
CET 4333  Equipment Management for Constructors
CET 4533  Heavy Civil Construction and Estimating
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 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.

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 2029.