

CONSTRUCTION ENGINEERING TECHNOLOGY: HEAVY, BSET

Requirements for Students Matriculating in or before Academic Year 2026-2027. Learn more about University Academic Regulation 3.1 (<https://catalog.okstate.edu/university-academic-regulations/#matriculation>).

Minimum Overall Grade Point Average: 2.00

Total Hours: 124

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (https://catalog.okstate.edu/university-academic-regulations/#english-composition)		
ENGL 1113 or ENGL 1313	Composition I Critical Analysis and Writing I	3
ENGL 1213 or ENGL 1413	Composition II Critical Analysis and Writing II	3
ENGL 3323	Technical Writing	3
<i>American History & Government</i>		
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
<i>Quantitative Thought & Logical Reasoning (Q)</i>		
MATH 2144	Calculus I (Q) (With a grade of "C" or better)	4
<i>Understanding Humanities-Human Heritage & Cultures (H)</i>		
Courses designated (H)		3
Courses designated (DH)		3
<i>Reasoning in the Natural Sciences (N)</i>		
Must include one Laboratory-Based Inquiry (L) course.		
PHYS 1114 or PHYS 2014	College Physics I (LN) (With a grade of "C" or better in PHYS 1114 or PHYS 2014) University Physics I (LN)	4
PHYS 1214 or PHYS 2114	College Physics II (LN) (With a grade of "C" or better in PHYS 1214 or PHYS 2114) University Physics II (LN)	4
Select an additional 4 hours of Natural Science with N and L designations		4
<i>Exploring Society & Human Behavior (S)</i>		
Courses designated (S)		3
<i>Diversity</i>		
Courses designated (D)		3
May be paired with another designated course		
<i>Global Cultural Competency (G)</i>		
Courses designated (G)		3
<i>Additional General Education</i>		

Additional general education credit hours may be required to meet the total 40-hour minimum of general education credit if courses carry more than one general education designation and can be used to meet multiple general education designation hour requirements above.

Courses designated (Q), (H), (N), (S), (D), (G), or (F).		0
Hours Subtotal		43
College/Departmental Requirements		
UNIV 1111	First Year Seminar (or other approved first year seminar course)	1
<i>Specialty</i>		
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 2333	Construction Practices and Procedures	3
CET 2343	Concrete Technology (With a grade of "C" or better)	3
<i>Related Specialty</i>		
ACCT 2103 or ACCT 2003	Financial Accounting (With a grade of "C" or better in ACCT 2103 or ACCT 2003) Survey of Accounting	3
ENSC 2113	Statics (With a grade of "C" or better)	3
Hours Subtotal		22
Major Requirements		
<i>Communications</i>		
SPCH 2713	Introduction to Speech Communication (S) (With a Grade of "C" or Better)	3
<i>Specialty</i>		
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 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 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
<i>Related Specialty</i>		
CIVE 3614	Engineering Surveying (With a grade of "C" or better)	4
CIVE 4711 or CIVE 3714	Basic Soils Testing Laboratory Introduction to Geotechnical Engineering	1
ENSC 2143 or CET 3323 or GENT 3323	Strength of Materials (With a grade of "C" or better in ENSC 2143, CET 3323, or GENT 3323) Theory of Built Structures Strength of Materials	3
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)	
CET 3463	Environmental Building Systems (With a grade of "C" or better)	
CIVE 3623	Engineering Materials Laboratory	
CET 4050	Advanced Construction Management Problems	
CET 4133	CAD and BIM for Construction Managers	
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

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 2032.

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.