CONSTRUCTION ENGINEERING TECHNOLOGY: HEAVY, 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).

Minimum Overall Grade Point Average: 2.00
Total Hours: 124

Code	Title	Hours
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)		
ENGL 1113	Composition I [1]	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:		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	3
Analytical & Quantitative Thought (A)		
MATH 2144	Calculus I (A) (With a grade of "C" or better) [1]	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) [1]	4
or PHYS 2014	University Physics I (LN)	
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)	
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		
Specialty		
ENGR 1111	Introduction to Engineering	1
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	
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		**22**
Major Requirements		
Communications		
SPCH 2713	Introduction to Speech Communication (S) (With a Grade of "C" or Better) [1]	3
Specialty		
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
Related Specialty		
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

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)	
CET 3463	Environmental Building Systems (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 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.

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.
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 2029.