

# CONSTRUCTION ENGINEERING TECHNOLOGY: BUILDING, BSET

**Requirements for Students Matriculating in or before Academic Year 2019-2020.** 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 |
|---|--|-------|
| <b>General Education Requirements</b>   |  |       |
| All General Education coursework requirements are satisfied upon completion of this degree plan   |  |       |
| <i>English Composition</i>  |  |       |
| See Academic Regulation 3.5 ( <a href="http://catalog.okstate.edu/university-academic-regulations/#english-composition">http://catalog.okstate.edu/university-academic-regulations/#english-composition</a> ) |  |       |
| ENGL 1113   | Composition I <sup>1</sup>                             | 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 <sup>1</sup>                         | 3     |
| <i>American History &amp; Government</i>  |  |       |
| Select one of the following:  |  |       |
| 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     |
| <i>Analytical &amp; Quantitative Thought (A)</i>  |  |       |
| MATH 2123   | Calculus for Technology Programs I (A) <sup>1,2</sup>  | 3     |
| MATH 2133   | Calculus for Technology Programs II (A) <sup>1,2</sup> | 3     |
| <i>Humanities (H)</i>   |  |       |
| Courses designated (H)  |  |       |
| 6   |  |       |
| <i>Natural Sciences (N)</i>   |  |       |
| Must include one Laboratory Science (L) course.   |  |       |
| PHYS 1114   | College Physics I (LN) <sup>1,2</sup>                  | 4     |
| PHYS 1214   | College Physics II (LN) <sup>1,2</sup>                 | 4     |
| Select 4 hours of Natural Science with N and L designations   |  |       |
| 4   |  |       |
| <i>Social &amp; Behavioral Sciences (S)</i>   |  |       |
| Courses designated (S)  |  |       |
| 6   |  |       |
| <b>Hours Subtotal</b>   |  |       |
| 45  |  |       |
| <b>Diversity (D) &amp; International Dimension (I)</b>  |  |       |
| 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  |  |       |
| <b>College/Departmental Requirements</b>  |  |       |
| <i>Specialty</i>  |  |       |
| CMT 1213  | Intro to Construction <sup>1,2</sup>                   | 3     |
| CMT 2253  | Printreading & BIM <sup>1,2</sup>                      | 3     |
| CMT 2263  | Estimating I <sup>1,2</sup>                            | 3     |

|                                  |  |   |
|----------------------------------|--|---|
| CMT 2352                         | Concrete Technology <sup>1,2</sup>                       | 2 |
| CMT 2351                         | Concrete Technology Lab <sup>1,2</sup>                   | 1 |
| <i>Related Specialty</i>         |  |   |
| ACCT 2103                        | Financial Accounting <sup>1,2</sup>                      | 3 |
| EET 1003                         | Introduction to Microcomputer Programming <sup>1,2</sup> | 3 |
| GENT 2323                        | Statics <sup>1,2</sup>                                   | 3 |
| <b>Hours Subtotal</b>            |  |   |
| 21                               |  |   |
| <b>Major Requirements</b>        |  |   |
| <i>Communications</i>            |  |   |
| SPCH 2713                        | Introduction to Speech Communication (S) <sup>1,2</sup>  | 3 |
| <i>Specialty</i>                 |  |   |
| CMT 3273                         | Scheduling Construction Projects <sup>2</sup>            | 3 |
| CMT 3322                         | Construction Practicum I <sup>2</sup>                    | 2 |
| CMT 3332                         | Construction Practicum II <sup>2</sup>                   | 2 |
| CMT 3364                         | Structures I <sup>2</sup>                                | 4 |
| CMT 3433                         | Principles of Site Development                           | 3 |
| CMT 3463                         | Environmental Building Systems                           | 3 |
| CMT 3554                         | Structures II  | 4 |
| CMT 4263                         | Estimating II <sup>2</sup>                               | 3 |
| CMT 4273                         | Technology in Construction                               | 3 |
| CMT 4283                         | Business Practices for Construction <sup>2</sup>         | 3 |
| CMT 4293                         | Construction Manager Concepts                            | 3 |
| CMT 4443                         | Construction Safety and Loss Control                     | 3 |
| CMT 4563                         | Construction Law and Insurance <sup>2</sup>              | 3 |
| <i>Related Specialty</i>         |  |   |
| CIVE 3614                        | Engineering Surveying <sup>2</sup>                       | 4 |
| CMT 3323                         | Theory of Built Structures <sup>2</sup>                  | 3 |
| or GENT 3323                     | Strength of Materials                                    |   |
| IEM 3513                         | Economic Decision Analysis                               | 3 |
| <b>Hours Subtotal</b>            |  |   |
| 52                               |  |   |
| <b>Electives</b>                 |  |   |
| Select 6 hours of the following: |  |   |
| 6                                |  |   |
| CMT 3633                         |  |   |
| CMT 4333                         | Equipment Management for Constructors                    |   |
| CMT 4533                         | Heavy Civil Construction and Estimating                  |   |
| CMT 4050                         | Advanced Construction Management Problems                |   |
| EEE 3023                         | Introduction to Entrepreneurial Thinking and Behavior    |   |
| EEE 4223                         | Entrepreneurial Marketing                                |   |
| EEE 4533                         | Growing Small and Family Ventures                        |   |
| EEE 4703                         |  |   |
| 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)                                    |   |
| MKTG 3213                        | Marketing (S)  |   |
| MGMT 3013                        | Fundamentals of Management (S)                           |   |

|                       |     |
|-----------------------|-----|
| <b>Hours Subtotal</b> | 6   |
| Total Hours           | 124 |

- <sup>1</sup> 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*.)
- <sup>2</sup> Achieve a grade of 'C' or better.

## 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 overall GPA of 2.30 is required in all courses with engineering and engineering technology prefixes.
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.
3. Each student is required to sit for the American Institute of Constructors Level 1 – Associate Constructors Certification 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 2025.