# Bachelor of Science — Construction Engineering and Management

## Degree Plan (checklist)

### Catalog: 2016-17

**Expires:** 08/01/2021

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### Core Curriculum (44 SCH)

- **1 Communication (6 credit hours required)**
  - RWS 1301* Rhetoric and Composition I
  - RWS 1302* Rhetoric and Composition II

- **2 Mathematics (4)**
  - MATH 1411* Calculus I

- **Life and Physical Sciences (7)**
  - CHEM 1305* General Chemistry
  - CHEM 1105* Laboratory for CHEM 1305
  - GEOL 1211* Principles of Earth Sciences
  - GEOL 1111* Principles of Earth Sci - Lab

- **Language, Philosophy, and Culture (3)**
  - ENGL 2311*, 2312*, 2313*, 2314*, 2318*, FREN 2322*, HIST 2301*, 2302*, PHIL 1301*, 2306*, RS 1301*, SPAN 2340*, WS 2300*, 2350*

- **Creative Arts (3)**
  - ART 1300*, ARTH 1305*, 1306*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, THEA 1313*

- **American History (6)**
  - HIST 1301* History of the U.S. to 1865
  - HIST 1302* History of the U.S. since 1865

- **Government/Political Science (6)**
  - all 6 SCH must be completed at the same institution
  - POLS 2310* Introduction to Politics
  - POLS 2311* American Govt. & Politics

- **Social and Behavioral Sciences (3)**
  - CE 2326* Econ. For Engrs & Scientists

- **Component Area Option (6)**
  - UNIV 1301* Foundations of Engineering
  - COMM 1302* Business/Profession. Comm.

### Foundational Math & Science (6 SCH)

- **MATH 1312** Calculus II
- **MATH 2313** Calculus III

### Major: Required Lower Division Courses (27 SCH)

- CE 1301* Civil Engineering Fundamentals
- CE 1313* Engineering Measurements
- CE 2315* Statics
- CE 2334* Mechanics of Materials
- CE 2335* Geological Engineering
- CE 2343* Structural Analysis I
- CE 2375* Introduction to Thermal-Fluid Science
- CE 2377* Electro Mechanical Systems
- ACCT 2301* Principles of Accounting I

### Major: Required Upper Division Courses (43 SCH)

- CE 3334 Construction Management
- CE 3336 Civil Engineering Materials
- CE 3348 Geotechnical Engineering
- CE 4339 Geostuctural Design
- BLAW 3301 Legal Environment of Business
- MGNT 3303 Introduction to Management
- FIN 3310 Business Finance
- CE 4385 Construction Internship
- CE 4358 Construction Methods and Materials
- CE 4158 Construction Methods and Materials Lab
- CE 4389 Construction Safety
- CE 4354 Electrical and Mechanical Construction

### Component Area Option (6)

- UNIV 1301* Foundations of Engineering
- COMM 1302* Business/Profession. Comm.

### Notes:

- **a** -- GEOL 3321, Geology for Engineers, may be substituted.
- **b** -- IE 2377, Electro-Mechanical Systems, may be substituted

* -- C or better required
** -- official substitution form available at http://engineering.utep.edu/plaza/AcademicForms/index.html

### BSCE Total Hours 120

## Substitutions**

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<tr>
<th>Sub #</th>
<th>Course on degree plan to substitute</th>
<th>Institution where course was taken</th>
<th>Course as it appears on UTEP Transcript</th>
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<tr>
<td>1</td>
<td>MATH 1411* Calculus I</td>
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<td>MATH 1413* Calculus III</td>
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## Approvals:

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Rev. 05-28-2015