

# Bachelor of Science – Construction Engineering and Management Degree Plan (checklist)

2022

Catalog: 2021-22  
Expires: 08/01/2028

Last Name \_\_\_\_\_

First Name \_\_\_\_\_ M.I. \_\_\_\_\_

UTEP ID \_\_\_\_\_

**NOTE: Overall GPA ≥ 2.0 AND In-Major GPA ≥ 2.0 REQUIRED for graduation**

A Core Curriculum (44 SCH) (minimum of "C" grade required)		Semester Completed	Final Grade	SCH	Sub #
<b>1 Communication (6 credit hours required)</b>					
RWS 1301*	Rhetoric and Composition I				
RWS 1302*	Rhetoric and Composition II				
<b>2 Mathematics (4)</b>					
MATH 1411*	Calculus I				
<b>3 Life and Physical Sciences (7)</b>					
CHEM 1305*	General Chemistry				
CHEM 1105*	Laboratory for CHEM 1305				
GEOL 1211*	Principles of Earth Sciences				
GEOL 1111*	Principles of Earth Sci - Lab				
<b>4 Language, Philosophy, and Culture (3) Select and circle one</b>					
ENGL 2311*, 2312*, 2313*, 2314*, 2318*, FREN 2322*, HIST 2301*, 2302*, PHIL 1301*, 2306*, RS 1301*, SPAN 2340*, WS 2300*, 2350*					
<b>5 Creative Arts (3) Select and circle one</b>					
ART 1300*, ARTH 1305*, 1306*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, THEA 1313*					
<b>6 American History (6)</b>					
HIST 1301*	History of the U.S. to 1865				
HIST 1302*	History of the U.S. since 1865				
<b>7 Government/Political Science (6) -- all 6 SCH must be completed at the same institution</b>					
POLS 2310*	Introduction to Politics				
POLS 2311*	American Govt. & Politics				
<b>8 Social and Behavioral Sciences (3)</b>					
CE 2326*	Econ. For Engrs & Scientists				
<b>9 Component Area Option (6)</b>					
UNIV 1301* or CS 1310*	Foundations of Engineering or Intro-Computational Thinking				
COMM 1302*	Business/Profession. Comm.				

B Foundational Math & Science (6 SCH)		Semester Completed	Final Grade	SCH	Sub #
MATH 1312*	Calculus II				
MATH 2313*	Calculus III				

C Major: Required Lower Division Courses (27 SCH)		Semester Completed	Final Grade	SCH	Sub #
CE 1301*	Civil Engineering Fundamentals				
CE 1313*	Engineering Measurements				
CE 2315*	Statics				
CE 2334*	Mechanics of Materials				
CE 2375*	Introduction to Fluid Mechanics				
CE 2343*	Structural Analysis I				
CE 2335*	Geological Engineering				
CE 2373*	Eng. Probability and Statistical Methods				
ACCT 2301*	Principles of Accounting I				

D Major: Required Upper Division Courses (43 SCH)		Semester Completed	Final Grade	SCH	Sub #
CE 3334	Construction Management				
CE 3336	Civil Engineering Materials				
CE 3348	Geotechnical Engineering				
CE 4339	Geostructural Design				
BLAW 3301	Legal Environment of Business				
FIN 3310	Business Finance				
CE 4386	Construction Law and Ethics				
CE 4382	Construction Cost Analysis and Bidding				
CE 4387	Construction Scheduling				
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				
CE 4188	Senior Design I				
CE 4288	Senior Design II				

**NOTES:**

a -- GEOL 3321, Geology for Engineers, may be substituted.

b -- IE 3373

\* -- C or better required

\*\* Official substitution form available <https://www.utep.edu/engineering/student-resources/student-resources-forms.html>

**BSCEM Total Hours 120**

SUBSTITUTIONS**				
Sub #	Course on degree plan to substitute	Institution where course was taken	Name of Course as it appears on UTEP Transcript	Course as it appears on UTEP Transcript
1				
2				
3				
4				

APPROVALS:	
ADVISOR	DATE
CHAIR	DATE