Bachelor of Science – Civil Engineering
Degree Plan (checklist)

2023

Catalog: 2022-23
Expires: 08/01/2029

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 (45 SCH) (minimum of "C" grade required)	Semester Completed	Final Grade	SCH	Sub #
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				
3 Life and Physical Sciences (8)				
CHEM 1305*	General Chemistry				
CHEM 1105*	Laboratory for CHEM 1305				
PHYS 2320*	Introductory Mechanics				
PHYS 2120*	Laboratory for PHYS 2320				
4 Language, Philosophy, and Culture (3)				
Select and circle one				
AFST 2300*, CHIC 2302*, ENGL 2311*, 2312*, 2313*, 2314*, 2318*, FREN 2322*, HIST 2301*, 2302*, PHIL 1301*, 2306*, RS 1301*, SPAN 2340*, WS 2300*, 2350*				
5 Creative Arts (3)				
Select and circle one				
ART 1300*, ARTH 1305*, 1306*, CHIC 1311*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, 2321*, THEA 1313*				
6 American History (6)				
HIST 1301*	History of the U.S. to 1865				
HIST 1302*	History of the U.S. since 1865				
7 Government/Political Science (6) -- all 6 SCH must be completed at the same institution				
POLS 2310*	Introduction to Politics				
POLS 2311*	American Govt. & Politics				
8 Social and Behavioral Sciences (3)				
CE 2326*	Econ. For Engrs & Scientists				
9 Component Area Option (6)				
Select and circle two				
CS 1320*	Computer Programming				
COMM 1301*,COMM 1302*,CS 1310*, EL 1301*, LEAD 1300*, SCI 1301* UNIV 1301*				

B Foundational Math & Science (9 SCH)	Semester Completed	Final Grade	SCH	Sub #
MATH 1312*	Calculus II				
MATH 2313*	Calculus III				
MATH 2326*	Differential Equations				

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				

C Major: Required Lower Division Courses (30 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 2335[a]*	Geological Engineering				
CE 2338* or MECH 2340 or PHYS 3331	Mechanics II-Dynamics or Thermal Physics				
CE 2343*	Structural Analysis I				
CE 2373[b]*	Engr Probability and Statistical Model				
CE 2375*	Introduction to Fluid Mechanics				
CE 2385*	Environmental Engineering Fundamentals				

D Major: Required Upper Division Courses (38 SCH)	Semester Completed	Final Grade	SCH	Sub #
CE 3334	Construction Management				
CE 3336	Civil Engineering Materials				
CE 3342	Water and Wastewater Engineering				
CE 3345	Design of Concrete Structures				
CE 3348	Geotechnical Engineering				
CE 3361	Design of Steel Structures				
CE 3456	Hydrology and Hydraulic Engineering				
CE 4339	Geostructural Design				
CE 4340	Transportation Engineering				
CE 4188	Senior Design I				
CE 4288	Senior Design II				
CE 4195	Junior Professional Orientation				
CE 4375	Advanced Topics in Civil Engineering I				
CE 4376	Advanced Topics in Civil Engineering II				

E Lower Division Science Elective (3 SCH) Circle the one you chose:	Semester Completed	Final Grade	SCH	Sub #
BIOL 1305*, CHEM 1306*, MATH 3323, (PHYS 2321* & PHYS 2121*)				

F Upper Division Techical Elective (3 SCH) Circle the one you chose:	Semester Completed	Final Grade	SCH	Sub #
ACCT 2301*, CE 4377, CHEM 1306*, MATH 3323 POLS 3350, POLS 3351, POLS 4359, RWS 3359				

NOTES:

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

b -- IE 3373, Engr. Probability & Stat. Models, may be substituted.

* -- C or better required

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

BSCE Total Hours	128

APPROVALS:

ADVISOR _____ DATE _____

CHAIR _____ DATE _____

Rev. 05-18-2022