Bachelor of Science – Civil Engineering
Degree Plan (checklist)

NOTES: 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  
2 Mathematics (4)  
MATH 1411*  Calculus I  
3 Life and Physical Sciences (6)  
CHEM 1302*  General Chemistry  
CHEM 1105*  Laboratory for CHEM 1305  
PHYS 2420*  Introductory Mechanics  
4 Language, Philosophy, and Culture (3)  
ENGL 2311*, 2312*, 2313*, 2314*, 2316*, 2318*, FREN 2322*, HIST 2301*, 2302*, PHIL 1301*, 2306*  
RS 1301*, SPAN 2340*, WS 2305*, 2306*, 2309*  
5 Creative Arts (3)  
ART 1300*, ARTH 1305*, 1306*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, 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 2301*  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)  
UNIV 1301*  Foundations of Engineering  
CS 1320*  Computer Programming Sci/Eng  
B  Foundational Math & Science (9 SCH)  
MATH 1312*  Calculus II  
MATH 2313*  Calculus III  
MATH 2326*  Differential Equations  
C  Major: Required Lower Division Courses (30 SCH)  
CE 1301*  Civil Engineering Fundamentals  
CE 1313*  Engineering Measurements  
CE 2315*  Statics  
CE 2334*  Mechanics of Materials  
CE 2335*  Geological Engineering  
CE 2338*  Mechanics II-Dynamics or Thermal Physics  
CE 2343*  Structural Analysis I  
CE 2373*  Engr Probability and Statistical Model  
CE 2375*  Introduction to Fluid Mechanics  
CE 2385*  Environmental Engineering Fundamentals  
D  Major: Required Upper Division Courses (38 SCH)  
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  Geotechnical Engineering  
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:  
BIOL 1305*, CHEM 1306*, MATH 3323, PHYS 2421*  
F  Upper Division Technical Elective (3 SCH)  
Circle the one you chose:  
ACCT 2301*, CE 4377, CHEM 1306*, MATH 3323  
POLS 3350, POLS 3351, POLS 4359, RWS 3359  

SUBSTITUTIONS**

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APPROVALS:

ADVISOR            DATE
CHAIR             DATE

BSCE Total Hours 128

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

Rev. 03-03-2020