Bachelor of Science – Civil Engineering
Degree Plan (checklist)

2020
Catalog: 2019-20
Expires: 08/01/2026

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

A Core Curriculum (45 SCH)
(minimum of "C" grade required)

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 2420*  Introductory Mechanics

4 Language, Philosophy, and Culture (3)
  Select and circle one
  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*, 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 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)
  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* or PHYS 3321  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  Geostuctural 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 Technical Elective (3 SCH)
  Circle the one you chose:
  BIOL 1305*, CHEM 1306*, MATH 2323, 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

NOTES:
  a – GEOL 3321, Geology for Engineers, 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

Substitutions**

<table>
<thead>
<tr>
<th>#</th>
<th>Semester Completed</th>
<th>Final Grade</th>
<th>SCH</th>
<th>Sub #</th>
</tr>
</thead>
</table>

APPROVALS:

ADVISOR  DATE

CHAIR  DATE

Rev. 07-17-2019