Bachelor of Science in Civil Engineering (Starting with Calculus)

Required Semester Credit Hours (SCH): 128

The flowchart below may not reflect all student schedules; courses can be shifted to different semesters where applicable. Many core curriculum courses are also offered in the summer (Su). Students are encouraged to register early and check Goldmine for course availability.

Refer to the University Catalog for all degree requirements at catalog.utep.edu. Many core curriculum courses are also offered in the summer (Su). Students are encouraged to register early and check Goldmine for course availability.

Catalog Year 2021-2022

Sample Degree Plan

*C or better required
Arrow indicates a prerequisite.
Color-coded boxes group the course subject.
F/Sp/Su indicates the semesters Fall/Spring/Summer.

Sample Degree Plan

Freshman Year
First Semester
- RWS 1301 Rhetoric and Comp. I (3 SCH)
- UNIV 1301 Seminar Inquiry (3 SCH)
- PHYS 2420 Introductory Mechanics (4 SCH)
- MATH 1411 Calculus I (4 SCH)
- CE 1301* Civil Engineering Fundamentals (3 SCH)

Second Semester
- RWS 1302 Rhetoric and Comp. II (3 SCH)
- CHEM 1305+1105 General Chemistry & Lab (4 SCH)
- MATH 1312 Calculus II (3 SCH)
- CE 1313* Engineering Measurements (4 SCH)
- CE 2315* Statics (3 SCH)

Sophomore Year
First Semester
- HIST 1301 History of U.S. to 1865 (3 SCH)
- MATH 2313 Calculus III (3 SCH)
- CE 2334* Mechanics of Materials (3 SCH)
- CE 2375 Intro to Fluid Mechanics (3 SCH)
- CE 2315* Statics (3 SCH)

Second Semester
- HIST 1302 History of U.S. since 1865 (3 SCH)
- CE 2334* Mechanics of Materials (3 SCH)
- CE 2343* Structural Analysis (3 SCH)
- CE 2375 Intro to Fluid Mechanics (3 SCH)
- CE 2315* Statics (3 SCH)

Junior Year
First Semester
- POLS 2310 Introduction to Politics (3 SCH)
- POLS 2311 American Gov. and Politics (3 SCH)
- CE 3336 Civil Engineering Materials (3 SCH)
- CE 3345 Design of Concrete Structures (3 SCH)
- CE 4195 Jr. Professional Orientation (2 SCH)

Second Semester
- POLS 2310 Introduction to Politics (3 SCH)
- POLS 2311 American Gov. and Politics (3 SCH)
- CE 3345 Design of Concrete Structures (3 SCH)
- CE 3456 Hydrologic & Hydraulic Engr (3 SCH)
- CE 3342 Water & Waste Water Engr (3 SCH)

Senior Year
First Semester
- CE 4288 Senior Design II (14 SCH)
- CE 4375 Advanced Topics in Civil Engineering (1 SCH)
- CE 4339 Geotechnical Design (3 SCH)
- CE 4361 Design of Steel Structures (3 SCH)
- CE 4375 Advanced Topics in Civil Engineering (1 SCH)

Second Semester
- CE 4188 Senior Design I (14 SCH)
- CE 4339 Geotechnical Design (3 SCH)
- CE 4361 Design of Steel Structures (3 SCH)
- CE 4375 Advanced Topics in Civil Engineering (1 SCH)
- CE 4375 Advanced Topics in Civil Engineering (1 SCH)

Creative Arts

Lower Division Technical Elective

Advanced Topics in Civil Engr II (3 SCH)

Senior Design ll (14 SCH)

American Gov. and Politics (3 SCH)

See University Catalog

Last Updated: June 2021