Refer to the University Catalog for all degree requirements at catalog.utep.edu.

The flowchart below may not reflect all student schedules; courses can be shifted to different semesters where applicable.

Bachelor of Science in Engineering Leadership (Civil Engineering Concentration)

Required Semester Credit Hours (SCH): 125

**SCH Not counted in total degree required semester credit hours.

Arrow indicates a prerequisite.

Sample Degree Plan 2020-2021

DRAFT PENDING DEPARTMENTAL APPROVAL

** SCH Not counted in total degree required semester credit hours.

Color-coded boxes group the course subject.

Su/Fs/Su indicates the semesters Fall/Spring/Summer.

Freshman Year

First Semester (3-5 SCH**)
- MATH 1508 Precalculus
- RWS 1301 Rhetoric and Comp. I
- HIST 1301 History of U.S. to 1865
- PHYS 2420 Introductory Mechanics
- UNIV 1301 Seminar/Inquiry
- See University Catalog

Second Semester (17 SCH)
- MATH 1508 Precalculus
- RWS 1302 Rhetoric and Comp. II
- HIST 1302 History of U.S. since 1865
- PHYS 2421 Introductory Electromagnet
- UNIV 1301 Seminar/Inquiry
- See University Catalog

Sophomore Year

First Semester (16 SCH)
- EL 1305 Fundamentals of Engineering
- EL 2301 Engineering Measurements
- CE 2303 Civil Engineering Fundamentals
- CE 2318 or MECH 2340
- See University Catalog

Second Semester (15 SCH)
- MATH 2334 Mechanics of Materials
- CE 2337 or 2338
- See University Catalog

Junior Year

First Semester (0 SCH)
- EL 3003 Professional Practice I
- EL 3331 Eng Design People to Prod
- EL 3304 Eng Design Prod to People
- See University Catalog

Second Semester (15 SCH)
- MATH 2323 Matrix Algebra
- PHIL 2306 Ethics
- See University Catalog

Senior Year

Third Semester (15 SCH)
- EL 4395* CD 1: Def & Explor
- EL 4396* CD 2: Develop & Evaluation
- See University Catalog

Fourth Semester (16 SCH)
- MATH 3332* Matrix Algebra
- See University Catalog

Graduation

Total SCH = 125