This is not an official degree audit and it is subject to change. This chart is intended to be used by students who start out at Texas State. Please contact the College of Science and Engineering Undergraduate Advising Center for advising.

**Note:** In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.

### Core courses must be completed:
- 6 credits Core 010
- 3 credits Core 020
- 6 credits Core 030
- 3 credits Core 040
- 3 credits Core 050
- 6 credits Core 060
- 6 credits Core 070
- 3 credits Core 080
- 6 credits Core 090
- TXST options: ENG 1310, ENG 1320, ENG 1321, ENG 3300/COMM 1310
- TXST options: ART 2313, DGS 2313, MU 2313, TH 2313
- TXST options: HIST 1310/2327/2381 and [HIST 1320/2328/2382]
- TXST options: PHIL 1320
- TXST options: POSI 2310 & POSI 2320
- CE required course: MATH 2471
- CE required course: MATH 2473 + PHYS 2425
- CE required course: ECO 2301
- US 1100 may be required for some students. Consult with an advisor regarding course choices.

### Key:
- Arrows indicate prerequisites.
- Arrows with dotted lines indicate co-requisites.
- Arrows with dash lines are recommended prerequisites.
- Courses taught in specific semesters are indicated with the following codes:
  - F - Fall
  - S - Spring
  - Su - Summer Session I or II

Required WI courses: CE 4390, CE 4391

Additional WI courses: See Advisor for other WI Options

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**BS – Civil Engineering (SC-Bs/CE)**

2023 Catalog year: College of Science and Engineering

### Freshman Year
- **Fall Semester**
  - CE 1210 (F,S)
    - Intro to Smart Infrastructure
  - ENGR 1304 (F,S,Su)
    - Engineering Design Graphics
  - CHEM 1335 + 1135 (F,S,Su)
    - Engineering Chemistry + Lab
      TCCNS: CHEM 1309 + 1109/1409
  - PHYS 1430 (F,S)
    - Mechanics
      TCCNS: PHYS 2425/2325

- **Spring Semester**
  - CS 1342 (F,S)
    - Programming for Scientists & Engineers
  - MATH 2471 (F,S,Su)
    - Calculus I
      TCCNS: MATH 2413
  - PHYS 2425 (F,S)
    - Electricity & Magnetism
      TCCNS: PHYS 2426/2326
  - MATH 2473 (F,S)
    - Integral Calculus
      TCCNS: MATH 2415

### Sophomore Year
- **Fall Semester**
  - CHEM 1335 + 1135 (F,S,Su)
  - PHYS 2425 (F,S)
  - MATH 3323 (F,S,Su)
    - Differential Equations
      TCCNS: MATH 2320

- **Spring Semester**
  - ENGR 3311 (F,S,Su)
    - Mechanic of Materials
      TCCNS: ENGR 2322
  - MATH 3376 (F,S)
    - Applied Linear Algebra
      TCCNS: MATH 2320

### Junior Year
- **Fall Semester**
  - PHYS 1430 (F,S)
  - MATH 3376 (F,S)
  - ENGR 3330 (F,S)
    - Soil Mechanics

- **Spring Semester**
  - ENGR 3350 (F,S)
    - Design of RC Infra
  - MATH 3323 (F,S,Su)
  - ENGR 3373 (F,S)
    - Circuits & Devices
      TCCNS: ENGR 2332

### Senior Year
- **Fall Semester**
  - IE 3300 (F,S)
    - Engineering Statistics
  - ENGR 3310 (F,S)
    - App Smart Infra
      Also requires CE 1210
  - MATH 3323 (F,S,Su)
  - ENGR 3390 (F)
    - Fluid Mechanics
      Also requires MATH 3323

- **Spring Semester**
  - ENGR 3391 (F)
    - CE Design II
      Also requires coreqs of: CE 3331 & CE 4370
  - ENGR 3392 (F)
  - MATH 3323 (F,S,Su)
  - ENGR 3393 (F)
  - MATH 3323 (F,S,Su)
  - ENGR 3394 (F)

Choose three CE Technical Electives:
- CE 4100
- CE 4200
- CE 4300
- CE 4310
- CE 4311
- CE 4320
- CE 4321 (S)
- CE 4322
- CE 4330
- CE 4351 (S)
- CE 4360
- CE 4362
- CE 4371
- CE 4392 (S)
- ENGR 3315
- ENGR 3190
- ENGR 3290

Choose one CE Infra Design Elective:
- CE 4323 (F)
- CE 4330
- CE 4361 (F,S)

Check prereq