BS – Civil Engineering  
(SC-Bs/CE)  

**2021 Catalog year: College of Science and Engineering**

<table>
<thead>
<tr>
<th>Freshman Fall semester</th>
<th>Freshman Spring semester</th>
<th>Sophomore Fall semester</th>
<th>Sophomore Spring semester</th>
<th>Junior Fall semester</th>
<th>Junior Spring semester</th>
<th>Senior Fall semester</th>
<th>Senior Spring semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 1210 (F)</td>
<td>CS 1342</td>
<td>One from: BIO 1330 &amp; 1130</td>
<td>One from: BIO 1331 &amp; 1131</td>
<td>CE 3320</td>
<td>ENGR 3380</td>
<td>CE 4370</td>
<td>Choose two CE Technical Electives:</td>
</tr>
<tr>
<td>First offering: Fall 2019</td>
<td>First offering: Spring 2020</td>
<td></td>
<td></td>
<td>First offering: Spring 2023</td>
<td>Also requires MATH 3323</td>
<td></td>
<td>CE 4300</td>
</tr>
</tbody>
</table>

**Course offerings may vary. Earliest projected graduation date is Spring 2023.**

**KEY:**
- Arrows indicate prerequisites.
- Arrows with dotted lines indicate co-requisites.
- Arrows with dashed 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
- TCCNS: CHEM 1309
- TCCNS: CHEM 1109
- TCCNS: CHEM 2413
- TCCNS: MATH 2413
- TCCNS: MATH 2415
- TCCNS: MATH 2420

**Core courses must be completed:**
- Communication Component Code 010 (6 cr)
- Mathematics Component Code 020 (3 cr)
- Life & Physical Science Component Code 030 (6 cr)
- Language, Philosophy, and Culture Component Code 040 (3 cr)
- Creative Arts Component Code 050 (3 cr)
- American History Component Code 060 (6 cr)
- Government/Political Science Component Code 070 (6 cr)
- Social and Behavioral Sciences Component Code 080 (3 cr)
- Component Area Option Codes 090, 091, 092, 093, and 094 (6 cr)

**Additional WI courses:**
- Required WI courses: CE 4390, CE 4391, GEO 4356
- ENGR 1304 (F,S,Su) Energy Design Graphics (replaced ENGR 1133)
- CHEM 1335 (F,S) Engineering Chemistry (replaced ENGR 1133)
- CHEM 1135 (F,S) Engineering Chemistry lab (replaced ENGR 1133)
- ENGR 2301 (F,S,Su) Statics (replaced ENGR 3375)
- PHYS 1430 (F,S) Mechanics TCCNS: PHYS 2425/2325/2225
- MATH 2471 (F,S,Su) Calculus I TCCNS: MATH 2413
- MATH 2473 (F,S,Su) Integral Calculus TCCNS: MATH 2415
- MATH 3323 (F,S,Su) Differential Equations TCCNS: MATH 2410
- MATH 3368 (F,S,Su) Applied Linear Algebra
- CS 1342 Programming for Scientists & Engineers First offering: Spring 2020
- ENGR 2301 Statics First offering: Spring 2021
- PHYS 2425 (F,S) Electricity & Magnetism TCCNS: PHYS 2426/2326/2226
- ENGR 3311 (F,S) Mechanics of Materials TCCNS: ENGR 2332
- ENGR 3337 (F,S) Circuits & Devices
- ENGR 3373 (F,S) Structural Analysis First offering: Spring 2021
- PHYS 2425 (F,S) Circuits & Devices
- MATH 2471 (F,S,Su) Calculus I TCCNS: MATH 2413
- MATH 2473 (F,S,Su) Integral Calculus TCCNS: MATH 2415
- MATH 3323 (F,S,Su) Differential Equations TCCNS: MATH 2410
- MATH 3368 (F,S,Su) Applied Linear Algebra
- IE 3320 (F,S) Engineering Statistics
- CE 3330 (F,S) Soil Mechanics
- CE 3331 (F,S) Infra Foundations
- CE 3310 (F,S) App Smart Infra Also requires CE 1210 & 1342
- IE 3320 (F,S) Engineering Statistics
- CE 3360 (F,S) Trans Plan & Infra
- GEO 4356 (F,S) Urban Infra Mgt
- Choose one CE Infra Design Elective:
  - CE 4330
  - CE 4361
  - CE 4372
  - Check prereqs
- Choose one CE Infra Design Elective:
  - CE 4390
  - CE Design I
  - Check prereqs
- Choose one CE Infra Design Elective:
  - CE 4391
  - CE Design II
  - Also requires coreq of GEO 4356, CE 3331 & CE 4370

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

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.

US 1100 may be required for some students. Some majors require specific courses to be chosen from a component area. Consult with an advisor to determine the most expedient way to complete core and major-specific requirements.