BS – Biology & Education: Life Science Teacher Certification (SC-BS/BIO/EDUC/TLS) 2021 Catalog year: College of Science and Engineering

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 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.

**KEY**
Arrows indicate prerequisites.
Arrows with dotted lines indicate co-requisites.
Arrows with dash lines are recommended prerequisites.
Courses taught specific semesters are indicated with the following codes:
F - Fall
S - Spring
Su - Summer Session I or II
Required WI courses: BIO 4416, ENG 3303
Additional WI courses: BIO 3308, 4420, 4446, 4454

Core courses must be completed:
- **US 1100**
- **COMM 1310**
- **PHIL 1305 or 1320**
- **ENG 1310**
- **ENG 1320**
- **ENG 2310-2360**
- **HIST 1310**
- **HIST 1320**
- **ART/DAN/MU/TH 2313**
- **POSI 2310**
- **POSI 2320**
- **ANTH 1312/ECO 2301/ECO 2314/GEO 1310/PSY 1300/SOCI 1310**

US 1100 & ENG 1310 recommended for first semester. HIST 1310/1320 not recommended for first semester.

Must have a 2.75 overall GPA for all COSE courses and no grade less than C. Must be admitted to the Education Preparation Program.

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**Freshman Fall semester**
- BIO 1330 (F,S,Su)
  & BIO 1130 (F,S,Su)
  *Functional Biology*
  *TCCNS: BIO 1306+1316 or 1406*

**Freshman Spring semester**
- BIO 1331 (F,S)
  & BIO 1131 (F,S)
  *Organizational Biology*
  *TCCNS: BIO 1307+1317 or 1417*

**Sophomore Fall semester**
- PHYS 1315 (F,S,Su)
  & PHYS 1115 (F,S,Su)
  *General Physics I*
  *TCCNS: PHYS 1301+1101/1401 (also allow PHYS 1430)*

**Sophomore Spring semester**
- PHYS 1315 (F,S,Su)
  & PHYS 1115 (F,S,Su)
  *General Physics II*
  *TCCNS: PHYS 1302+1102 or 1402*

**Junior Fall semester**
- PHYS 1315 (F,S,Su)
  & PHYS 1115 (F,S,Su)
  *General Physics III*
  *TCCNS: PHYS 1303+1103 or 1403*

**Junior Spring semester**
- CI 3340
- CI 4343
- SPED 4344
  *(SPED 4344 TCCNS: EDUC 2301)*

**Senior Fall semester**
- BIO 4408 (S)
  *Science Processors & Research*
  *TCCNS: BIOL 3310+3310 or 4310*

**Senior Spring semester**
- BIO 4301 (F,S)
  *Evolution*

**Choose one set:**
- MATH 2321 (F,S,Su) & MATH 2328 (F,S,Su)
- MATH 2471 (F,S,Su) & MATH 2472 (F,S,Su)
- MATH 2321 (F,S,Su) & MATH 2331 (F,S,Su)

**4 hours from:**
- BIO 2410 (F)
  *Botany*
- BIO 2411 (S)
  *Zoology*

**4 hours from:**
- BIO 2450 (F,S,Su)
  *Genetics*
  *TCCNS: BIO 2416 or 2316+2116*

**BIO 4416 (F,S)**
*General Ecology*

**BIO 1330 (F,S,Su)**
& BIO 1130 (F,S,Su)
*Functional Biology*
*TCCNS: BIO 1306+1316 or 1406*

**BIO 1331 (F,S)**
& BIO 1131 (F,S)
*Organizational Biology*
*TCCNS: BIO 1307+1317 or 1417*

**CHEM 1341 (F,S,Su)**
& CHEM 1141 (F,S,Su)
*General Chemistry I*
*TCCNS: CHEM 1301+1101 or 1401*

**CHEM 1342 (F,S,Su)**
& CHEM 1142 (F,S,Su)
*General Chemistry II*
*TCCNS: CHEM 1302+1102 or 1402*

**CHEM 2330 (F,S,Su)**
& CHEM 2130 (F,S,Su)
*TCCNS: CHEM 2301+2101 or 3101*

**CHEM 1341 (F,S,Su)**
& CHEM 1141 (F,S,Su)
*General Chemistry I*
*TCCNS: CHEM 1301+1101 or 1401*

**CHEM 1342 (F,S,Su)**
& CHEM 1142 (F,S,Su)
*General Chemistry II*
*TCCNS: CHEM 1302+1102 or 1402*

**BIO 4332**
*Secondary Teaching: Curriculum and Technology*
*Sophomore, junior or senior status only*

**CI 3325**
*Adolescents & Society*
*Sophomore, junior or senior status only*

**Block I:**
- CI 3340
- CI 4343
- SPED 4344
  *(SPED 4344 TCCNS: EDUC 2301)*

**Block 2:**
- CI 4370
- CI 4372
- RDG 3323

**Block 2:**
- CI 4370
- CI 4372
- RDG 3323

**Block 2:**
- CI 4370
- CI 4372
- RDG 3323

**EDST 4681**
*Student Teaching*

**US 1100 & ENG 1310 recommended for first semester. HIST 1310/1320 not recommended for first semester.**