BS – Biology: Life Science Teacher Certification  (SC-BS/BIO/SCED/TLS)  2016 Catalog year: College of Science and Engineering

**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: Summer
  - S-Spring
- Required WI courses: BIO 4416, ENG 3303
- Additional WI courses: BIO 4420, 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](#)
- [POS 2310](#)
- [POS 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.**

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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.

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**BIO 1330 (F,S)** & **BIO 1130 (F,S)**
- Functional Biology

**BIO 1331 (F,S)** & **BIO 1131 (F,S)**
- Organismal Biology

**CHEM 1341 (F,S,Su)** & **CHEM 1141 (F,S,Su)**
- General Chemistry I

**CHEM 1342 (F,S,Su)** & **CHEM 1142 (F,S,Su)**
- General Chemistry II

**CHEM 2341 (F,S,Su)** & **CHEM 2141 (F,S,Su)**
- Organic Chemistry I

**CHEM 2342 (F,S,Su)** & **CHEM 2142 (F,S,Su)**
- Organic Chemistry II

**PHYS 1315 (F,S,Su)** & **PHYS 1115 (F,S,Su)**
- General Physics I

**PHYS 1325 (F,S,Su)** & **PHYS 1125 (F,S,Su)**
- General Physics II

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)

See advisor for guidance.

**BIO 2450 (F,S)**
- Genetics

**BIO 2410 (F)**
- Botany

**CHEM 2341 (F,S,Su)** & **CHEM 2141 (F,S,Su)**
- Organic Chemistry I

**CHEM 2342 (F,S,Su)** & **CHEM 2142 (F,S,Su)**
- Organic Chemistry II

**ENG 3303**
- Technical Writing

**CI 4332**
- Secondary Teaching:
  - Curriculum and Technology
  - 2.75 overall GPA
  - Sophomore, Junior, Senior status

**CI 3325**
- Adolescent Growth & Development
  - 2.75 overall GPA
  - Sophomore, Junior, Senior status

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

**BIO 4416 (F,S)**
- Evolution

**BIO 4408 (S)**
- Science Processes & Research
  - BI 4305 (F)
  - Nature Study
  -(see advisor for guidance)

**EDST 4681**
- Student Teaching

**Two from:**
- BIO 3308
- BIO 3406
- BIO 4410
- BIO 4420
- BIO 4421
- BIO 4422
- BIO 4423
- BIO 4425
- BIO 4434
- BIO 4446
- BIO 4454
- BIO 4465

**Check prerequisites**