BS- Biology (SC-BS/BIO)  
2023 Catalog year: College of Science and Engineering

Freshman Fall semester
- BIO 1330 (F,S,Su) & BIO 1130 (F,S,Su)
  Functional Biology
  TCCNS: BIOL 1106

Freshman Spring semester
- BIO 1331 (F,S,Su) & BIO 1131 (F,S)
  Organismal Biology
  TCCNS: BIOL 1107

Sophomore Fall semester
- BIO 2430 (F,S)
  Genetics
  TCCNS: BIO 2410 or 2306

Sophomore Spring semester
- Choose one set:
  MATH 2321 (F,S,Su) & MATH 2328 (F,S,Su)
  MATH 2471 (F,S,Su) & MATH 2472 (F,S,Su)

  TCCNS: MATH 2313 – MATH 2321
  MATH 1442 – MATH 2328
  MATH 2413 – MATH 2471
  MATH 2414 – MATH 2472
  (See advisor for guidance)

Junior Fall semester
- PHYS 1335 (F,S) & 1115 (F,S,Su)
  Gen Physics for Life Sciences I
  OR
  PHYS 1315 & 1115 (F,S,Su)
  Gen Physics I
  TCCNS PHYS 1301 + 1101 or 1401
  OR
  PHYS 1430 (F,S)
  Mechanics
  TCCNS PHYS 2425

Junior Spring semester
- PHYS 1345 (F,S,Su) & 1125 (F,S,Su)
  Gen Physics for Life Sciences II
  OR
  PHYS 1325 & 1125 (F,S,Su)
  Gen Physics II
  TCCNS PHYS 1302 + 1102 or 1402
  OR
  PHYS 2425 (F,S)
  Electricity & Magnetism
  TCCNS PHYS 2426

Senior Fall semester
- BIO 4416 (F,S)
  General Ecology

Senior Spring semester
- ADV. PHYSIOLOGY choose one from:
  BIO 3421 – Vertebrate Phys (S)
  BIO 3426 – Human Phys (F)
  BIO 4441 – Cellular Phys (S)
  BIO 4455 – Plant Phys (F)
  BIO 4447 – Microbial Phys (F)

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-Full
  - S-Spring
  - Su-Summer Session I or II

Required WI courses: BIO 4416, 4441, 4447
Additional WI courses: BIO 3308, 3442, 3460, 4126, 4166, 4236, 4376, 4388, 4420, 4423, 4431, 4432, 4446, 4448, 4454, 4464, 4470, 4472.

Core courses must be completed:
- 3 credits Core 010
- 3 credits Core 020
- 3 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,
  091, 092, 093, and 094

See catalog for options: http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum/
US 1100 may be required for some students. Consult with an advisor regarding course choices.

Notes:
1. Cannot apply to advanced biology electives: BIO 3351, 4305, 4402, 4403, 4408
2. BIO 4299 requires faculty and departmental approval to count towards advanced electives and must be taken twice.
3. Students may apply only one course from [BIO 3421 or BIO 3426] towards the biology major requirements.
4. BIO 4447 can be used to satisfy the physiology requirement or the advanced biology electives requirement, but not both.
5. Extra advanced or non-advanced electives may be required to meet graduation requirements (check with advisor)
6. Always check course prerequisites.

15 hours advanced biology electives, chosen in consultation with an academic advisor.

Biology major
- BIO 4301 (F,S,Su)
  Evolution

For BIO 2400
- CHEM 1341 (F,S,Su) & CHEM 1141 (F,S,Su)
  General Chemistry I
  TCCNS: CHEM 1311+1111 or 1141

- CHEM 1342 (F,S,Su) & CHEM 1142 (F,S,Su)
  General Chemistry II
  TCCNS: CHEM 1321+1212 or 1142

- CHEM 2341 (F,S,Su) & CHEM 2141 (F,S,Su)
  Organic Chemistry I
  TCCNS: CHEM 2321+2123 or 2423

- CHEM 2342 (F,S,Su) & CHEM 2142 (F,S,Su)
  Organic Chemistry II
  TCCNS: CHEM 2325+2125 or 2425