BS-Aquatic Biology with a Chemistry minor  
(SC-BS/AQUA/CHEM)  
2015 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, 3460  
Additional WI courses: BIO 3308, 3442, 3460, 4350G, 4420, 4423, 4441, 4446, 4454, 4464, 4470, 4472

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/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.

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### Freshman Fall semester
- **BIO 1330 (F,S)**  
  Functional Biology

### Freshman Spring semester
- **BIO 1331 (F,S)**  
  &  
  **BIO 1131 (F,S)**  
  Organizational Biology

### Sophomore Fall semester
- **CHEM 1341 (F,S,Su)**  
  &  
  **CHEM 1141 (F,S,Su)**  
  General Chemistry I

### Sophomore Spring semester
- **CHEM 1342 (F,S,Su)**  
  &  
  **CHEM 1142 (F,S,Su)**  
  General Chemistry II

### Junior Fall semester
- **PHYS 1315 (F,S,Su)**  
  &  
  **PHYS 1115 (F,S,Su)**  
  General Physics I

### Junior Spring semester
- **PHYS 1325 (F,S,Su)**  
  &  
  **PHYS 1125 (F,S,Su)**  
  General Physics II

### Senior Fall semester
- **BIO 4415 (F,Su)**  
  Ichthyology

### Senior Spring semester
- **BIO 4416 (F,S)**  
  General Ecology

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**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.*

1 from:  
- BIO 3421 (F,S)  
  Vertebrate Physiology  
  or  
  BIO 3465 (F)  
  Plant Physiology

3 hours advanced biology electives, chosen in consultation with an academic advisor.  
Biological Science requires faculty and departmental approval to count towards advanced electives and must be taken twice.  
DO NOT TAKE: BIO 3351, 4305, 4402, 4403, 4408

3 hours from:  
- CHEM 4333 – Spectroscopy (S)  
- CHEM 4351– Intro to Polymers (F)  
- CHEM 4375 – Biochemistry (F,Su)  
- CHEM 4390– Supramolecular Chemistry (see dpt)