BS- Biology (with and without concentrations) with Biochemistry minor (SC-BS/BIO/BCHM)  
2022 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>
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</table>
| BIO 1330 (F,S,Su) & BIO 1331 (F,S) Functional Biology  
TCCNS: BIO 1306 or 1106 | BIO 2450 (F,S,Su) Genetics TCCNS: BIO 2148 or 2306 or 2116 | BIO 2341 (F,S,Su) & BIO 2342 (F,S,Su) General Chemistry I  
TCCNS: CHEM 1311 or 1312 | CHEM 4375 (F,S) Biochemistry (or CHEM 3375) | PHYS 1335 & 1115 Gen Physics for Life Sciences I  
Also accepted: PHYS 1315 & 1115 or PHYS 1430 | PHYS 1345 & 1125 Gen Physics for Life Sciences I  
Also accepted: PHYS 1325 & 1125 or PHYS 2425 | BIO 4301 (F,S,Su) Evolution |  
| CHEM 1341 (F,S,Su) & CHEM 1141 (F,S) General Chemistry I  
TCCNS: CHEM 1311 or 1312 | CHEM 2341 (F,S,Su) & CHEM 2342 (F,S,Su) General Chemistry II  
TCCNS: CHEM 1321 or 1322 | CHEM 3276 (F,S) Experimental Biochem | | | | |  

**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-S: Fall
  - S-S: Spring
  - Su: Summer Session I or II
  - F: Fall
  - S: Spring
- Required WI courses: BIO 4416
- Additional WI courses: BIO 1200, 3308, 3442, 3460, 4126, 4166, 4236, 4376, 4420, 4423, 4435, 4452, 4441, 4446, 4447, 4454, 4464, 4470, 4472

<table>
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<tr>
<th>Core courses must be completed:</th>
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<tbody>
<tr>
<td>- 6 credits Core 010 TXST options: ENG 1310, ENG 1320, ENG 1321, COMM 1310</td>
</tr>
<tr>
<td>- 3 credits Core 020 BIO required course: MATH 2321 or 2471</td>
</tr>
<tr>
<td>- 6 credits Core 030 BIO required course: CHEM 1341/1141 &amp; CHEM 1342/1142</td>
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<tr>
<td>- 3 credits Core 040 TXST options: with concentration: PHIL 1305 or 1320 (if no concentration, see catalog)</td>
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<tr>
<td>- 3 credits Core 050 TXST options: ART 2313, DAN 2313, MU 2313, TH 2313</td>
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<tr>
<td>- 6 credits Core 060 TXST options: HIST 1310/2327/2381 and [HIST 1320/2328/2382]</td>
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<tr>
<td>- 6 credits Core 070 TXST options: POSI 2310 &amp; POSI 2320</td>
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<tr>
<td>- 3 credits Core 080 TXST options: no concentration: ANTH 1312/ECON 2301/ECON 2314/GEOL 1310/PSY 1300/SCI 1310</td>
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<tr>
<td>- 6 credits Core 090, 091, 092, 093, and 094 See catalog for options: <a href="http://mycatalog.txstate.edu/undergraduate/general-education-core-curr/">http://mycatalog.txstate.edu/undergraduate/general-education-core-curr/</a></td>
</tr>
<tr>
<td>US 1100 may be required for some students. Consult with an advisor regarding course choices.</td>
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</tbody>
</table>

**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.

**BS- Biology major (no concentration)**
15 hours advanced biology electives, chosen in consultation with an academic advisor.

**BS- Biology major (med-pre-dent)**
15 hours advanced biology electives, chosen in consultation with an academic advisor.

**BS- Biology major (physician assistant)**
11 hours advanced biology electives, chosen in consultation with an academic advisor.

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.