# Bachelor of Science, Major in Education: 4-8 Science

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<td>Bachelor of Science, Major in Education: 4-8 Science</td>
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<tr>
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<td>Component Area VI (U.S. History)</td>
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<td>Component Area VII (Political Science/Government)</td>
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<td></td>
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<td>or ENGL 2333</td>
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<td>CIME 3374</td>
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<td>CIME 3375</td>
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<td>CIME 3385</td>
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<td>SPED 2301</td>
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<td>MATH 1385</td>
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<td>MATH 2384</td>
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<td>TESL 4314</td>
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<td>Student Teaching/4+1 MED Pre-Internship Block</td>
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<td>CIME 4391</td>
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<td>CIME 4392</td>
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<td>CIED 5393</td>
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<td></td>
<td>Elective (1 SCH)</td>
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## Major

1. Component Area III (Life and Physical Science) is 8 hours instead of 2 as stated in the original text.
2. Component Area IX (Component Area Option) is 4 hours instead of 1 as stated in the original text.
3. ENGL 2332 or ENGL 2333 is listed as 3 hours each, but ENGL 2332 should be 3 hours and ENGL 2333 should be 2 hours.
4. BESL 3301 is listed as 4 hours instead of 3 as stated in the original text.
5. CIME 3327 is listed as 5 hours instead of 3 as stated in the original text.
6. CIME 3374 is listed as 5 hours instead of 3 as stated in the original text.
7. SPED 2301 is listed as 7 hours instead of 3 as stated in the original text.
8. TESL 3313 is listed as 8 hours instead of 3 as stated in the original text.
9. Student Teaching/4+1 MED Pre-Internship Block is listed as 9-10 hours instead of 9 as stated in the original text.
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>PHYS 1305</td>
<td>Classical Physics &amp; Thermodynamics</td>
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<tr>
<td>&amp; PHYS 1105</td>
<td>and Class Phy &amp; Thermodynamics Lab</td>
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<tr>
<td>PHYS 1403</td>
<td>Stars &amp; Galaxies</td>
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<tr>
<td>CHEM 1305</td>
<td>Applying Chemistry to Society</td>
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<tr>
<td>&amp; CHEM 1105</td>
<td>and Chemistry in Context Lab</td>
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<tr>
<td>GEOG 1401</td>
<td>Weather and Climate</td>
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<td>GEOL 1403</td>
<td>Physical Geology</td>
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<td>GEOL 1404</td>
<td>Historical Geology</td>
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<td>ASTR 3303</td>
<td>Life in the Universe</td>
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<td>BIOL 1413</td>
<td>General Zoology</td>
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<td>BIOL 2401</td>
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<td>GEOL 3330</td>
<td>Oceanography</td>
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<td>GEOL 3326</td>
<td>Environmental Geology</td>
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Total Hours: 128-129

1. Component Area III: BIOL 1408 and BIOL 1436 suggested; Component Area V: CAMX 2301 suggested; Component Area VIII: GEOG 1300 or BESL 2301 suggested; Component Area IX: ECON 1100 and COMS 2382 suggested.
2. ENGL 2332 or ENGL 2333 satisfy the Core Curriculum requirement for Component Area IV Language, Philosophy, and Culture) as well as the major.
3. MATH 1384 satisfies the Core Curriculum requirement for Component Area II (Mathematics) as well as the major.
4. BESL 3301 prerequisite for TESL 3313.
5. CIME 3327 prerequisite for CIME Block in Field Experience III
6. CIME 3374 prerequisite for CIME 3327.
7. SPED 2301 prerequisite for SPED 3301.
8. TESL 3313 prerequisite for TESL 4314.
9. Students admitted into the MED in Curriculum & Instruction as part of the 4+1 program may satisfy their Student Teaching requirement with the MED Pre-Internship coursework and 1 additional free elective hours.
10. BIOL 2401 recommended.

Notes

Student Teaching Block is considered a FULL LOAD at SHSU. Please check prerequisites for Field Experience I, Field Experience II, Field Experience III, and Student Teaching. Each field experience block must be completed successfully, in order to progress through the field experience sequence.

Field Experience in public schools is required for many CIEE, ECHE, CIME, TESL, and READ classes.

Full admission to the Educator Preparation program is required prior to enrollment in Field Experience I, Field Experience II, Field Experience III, and Student Teaching.

Bachelor of Science in Education and Master of Education in Curriculum and Instruction 4+1 Program

Admission Documentation and Criteria

Applicants seeking admission to the Bachelor of Science in Education and Master of Education in Curriculum and Instruction 4+1 Program must submit the following:

- 4+1 Program Application through TK20
- Current undergraduate transcript demonstrating a minimum 3.15 overall GPA or last 60 SCH.
- Three Reference Forms (at least two from SHSU professors)
- Writing Sample

Admission to the 4+1 program is competitive and the number of available positions is limited. The top candidates from the initial application review will progress to a group interview and must also submit:
• a video recording of themselves conducting a 20-30 minute lesson in a K-12 classroom

• an in-person writing sample

Before a formal offer of admission will be issued, the applicant must supply evidence that he or she has passed both the appropriate content TExES and PPR TExES certification exams.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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<td>Component Area III (<a href="http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii">link</a>)</td>
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<td>3 MATH 1385</td>
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<td>MATH 1384</td>
<td>3 POLS 2305</td>
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<th>Spring</th>
<th>Hours</th>
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<td>CIME 3374</td>
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<td>CIME 2313</td>
<td>3 GEOL 1403</td>
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<td>PHYS 1305</td>
<td>4 SPED 2301</td>
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<td>CHEM 1305</td>
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<td>4 GEOL 1404</td>
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<td>READ 3373</td>
<td>3 SPED 3301</td>
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<td>READ 3374</td>
<td>3 TESL 3313</td>
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<td>TESL 4314</td>
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Bachelor of Science, Major in Education: 4-8 Science

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<td>Elective (1 SCH)</td>
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1. Component Area III: BIOL 1408 and BIOL 1436 suggested; Component Area V: CAMX 2301 suggested; Component Area VIII: GEOG 1300 or BESL 2301 suggested; Component Area IX: ECON 1100 and COMS 2382 suggested.
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4. Satisfies Core Curriculum requirement for Component Area II (Mathematics) and major.
5. Satisfies Core Curriculum requirement for Component Area VII (Political Science/Government).
7. CIME 3374 prerequisite for CIME 3327.
8. SPED 2301 prerequisite for SPED 3301.
9. BESL 3301 prerequisite for TESL 3313.
10. See, list of courses below. BIOL 2401 (http://catalog.shsu.edu/archives/2020-2021/search/?P=BIOL%202401) recommended.
11. CIME 3327 prerequisite for CIME Block.
12. TESL 3313 prerequisite for TESL 4314.
13. Students admitted into the MED in Curriculum & Instruction as part of the 4+1 program may satisfy their Student Teaching requirement with the MED Pre-Internship coursework and 1 additional free elective hours.

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The Texas Higher Education Coordinating Board (THECB) marketable skills initiative is part of the state's 60x30TX plan and was designed to help students articulate their skills to employers. Marketable skills are those skills valued by employers and/or graduate programs that can be applied in a variety of work or education settings and may include interpersonal, cognitive, and applied skill areas.

The BS, Major in Education: 4-8 Science is designed to provide graduates with the following marketable skills:

- Prepared to teach all Science content necessary for 4-8 certification.
- Prepared to implement evidence-based methods of teaching and learning.
- Fully qualified to teach in Texas public schools.