

BACHELOR OF SCIENCE, MAJOR IN EDUCATION: 4-8 SCIENCE

Additional information: Reference the Program Landing Page (<https://www.shsu.edu/programs/bachelor-degree-in-education/>) for additional information, such as cost, delivery format, contact information, or to schedule a visit.

| Code | Title | Hours |
|---|--|-------|
| Bachelor of Science, Major in Education: 4-8 Science | | |
| Core Curriculum (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/) | | |
| Component Area I (Communication) | | 6 |
| Component Area II (Mathematics) ¹ | | 3 |
| Component Area III (Life and Physical Science) ² | | 8 |
| Component Area IV (Language, Philosophy, and Culture) ³ | | 3 |
| Component Area V (Creative Arts) ⁴ | | 3 |
| Component Area VI (U.S. History) | | 6 |
| Component Area VII (Political Science/Government) | | 6 |
| Component Area VIII (Social and Behavioral Sciences) ⁵ | | 3 |
| Component Area IX (Component Area Option) ⁶ | | 4 |
| Degree Specific Requirements | | |
| ENGL 2332 or ENGL 2333 | Wrld Lit I: Before 17 Century ³ World Lit II: 17th C & After | 3 |
| MATH 1384 | Intro Foundations of Math I ¹ | 3 |
| Major: Foundation | | |
| BESL 3301 | Second Language Acquisition ⁷ | 3 |
| CHEM 1406 | Inorganic & Envir Chemistry | 4 |
| CIME 2313 | Teaching as a Profession | 3 |
| CIME 3327 | Integ Tech in Middle Grades | 3 |
| CIME 3374 | Human Growth & Learning | 3 |
| CIME 3375 | The Middle Level Child | 3 |
| CIME 3385 | The Middle Grades Classroom | 3 |
| EDUC 1101 | Educator Preparation | 1 |
| GEOG 1401 | Weather and Climate | 4 |
| GEOL 1403 | Physical Geology | 4 |
| GEOL 1404 | Historical Geology | 4 |
| MATH 1385 | Intro Foundations of Math II | 3 |
| MATH 2384 | Functions and Graphs | 3 |
| PHYS 1305 & PHYS 1105 | Classical Physics & Thermodynmc and Class Phy & Thermodynamics Lab | 4 |
| PHYS 1403 | Stars & Galaxies | 4 |
| SPED 2301 | Introduction to Exceptionality ⁸ | 3 |
| Select one of the following: ⁹ | | 4 |
| ASTR 3303 | Life in the Universe | |
| ASTR 3383 | Cosmic Catastrophes | |
| BIOL 1411 | General Botany | |
| BIOL 1413 | General Zoology | |
| BIOL 2401 | Human Anatomy ⁹ | |
| GEOL 3330 | Oceanography | |
| GEOL 3326 | Environmental Geology | |
| Major: Required | | |
| Field Experience I | | |
| SPED 3301 | Learn and Instruc Child W/Disa | 3 |
| TESL 3313 | ESL Methodology I | 3 |
| Field Experience II | | |

| | | |
|---|--|------------|
| READ 3373 | Content Area Rdg In Mid Grades | 3 |
| READ 3374 | Voc & Word Stdy In Mid Grades | 3 |
| YLR Semester I | | |
| CIME 3376 | Curriculum & Assmt For Mid Grd | 3 |
| CIME 4335 | Teaching Science in the Middle Grades | 3 |
| CIME 4391 or CIEE 4391 | Student Teaching in the Middle Grades Std Tch Elementary School | 3 |
| YLR Semester II | | |
| CIME 4392 or CIEE 4392 | Student Teaching in the Middle Grades Std Tch Elementary School | 3 |
| EDUC 4301 | Teacher Education Capstone | 3 |
| TESL 4314 | ESL Methodology II (Evening) ¹⁰ | 3 |
| Minor: Not Required ^{11,12} | | |
| Total Hours | | 128 |

- ¹ MATH 1384 satisfies the Core Curriculum requirement for Component Area II (Mathematics) as well as the major.
- ² To satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science), BIOL 1408 and BIOL 1436 are suggested.
- ³ ENGL 2332 or ENGL 2333 satisfy the Core Curriculum requirement for Component Area IV (Language, Philosophy, and Culture) as well as the major.
- ⁴ To satisfy the Core Curriculum requirement for Component Area V (Creative Arts), CAMX 2301 is suggested.
- ⁵ To satisfy the Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences), GEOG 1300 OR BESL 2301 is suggested.
- ⁶ To satisfy the Core Curriculum requirement for Component Area IX (Component Area Option), ECON 1100 and COMS 2382 are suggested.
- ⁷ BESL 3301 is a prerequisite for TESL 3313.
- ⁸ SPED 2301 is a prerequisite for SPED 3301.
- ⁹ BIOL 2401 is recommended.
- ¹⁰ TESL 3313 is a prerequisite for TESL 4314.
- ¹¹ A minor is not required for this degree program; however, a student has the option to add a minor, but to do so additional semester credits hours may be needed above the degree program's stated total semester credit hours.
- ¹² All minors can be paired with this degree program.

Notes

Students must earn a 2.75 minimum overall GPA in all coursework.

Students must meet a 2.75 minimum overall major GPA or in the last 60 semester hours in all major coursework.

Students must earn a 2.0 minimum SHSU GPA in all coursework.

Students must meet a 2.75 minimum SHSU major GPA in all major coursework.

Students must maintain a 2.75 GPA or greater overall or in the last 60 semester hours. This includes transfer and SHSU courses.

Student Teaching Block is considered a FULL LOAD at SHSU. Please check prerequisites for Field Experience I, Field Experience II, YLR Semester I, and YLR Semester II. 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 and CIME 2313, CIME 3374, and SPED 2301 are required prior to enrollment in Field Experience I.

BESL 3301 is required prior to enrollment in Field Experience I.

4-8 teaching candidates are now eligible to add a Minor in Special Education. This degree minor provides a pathway for College of Education students majoring in grades 4-8 certification tracks or the grades 7-12 certification tracks to also graduate with a teaching certification in the area of special education. The course requirements are available by clicking here (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/education/school-of-teaching-and-learning/special-education-minor/>).

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First Year

| Fall | Hours | Spring | Hours |
|---|--------------|--|--------------|
| Component Area III (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii) ¹ | | 4 Component Area III (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii) ¹ | 4 |
| Component Area V (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav) ² | | 3 Component Area VIII (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii) ⁷ | 3 |
| Component Area IX (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix) ³ | | 1 ENGL 1302 ⁴ | 3 |
| ENGL 1301 ⁴ | | 3 HIST 1302 ⁵ | 3 |
| HIST 1301 ⁵ | | 3 MATH 1385 | 3 |
| MATH 1384 ⁶ | | 3 POLS 2305 ⁸ | 3 |
| | | 17 | 19 |

Second Year

| Fall | Hours | Spring | Hours |
|--|--------------|---------------------------|--------------|
| Component Area IX (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix) ³ | | 3 BESL 3301 ¹⁰ | 3 |
| CIME 2313 | | 3 CIME 3374 | 3 |
| EDUC 1101 | | 1 GEOL 1403 | 4 |
| ENGL 2332 or 2333 ⁹ | | 3 PHYS 1403 | 4 |
| PHYS 1305 & PHYS 1105 | | 4 SPED 2301 ¹¹ | 3 |
| POLS 2306 ⁸ | | 3 | |
| | | 17 | 17 |

Third Year

| Fall | Hours | Spring | Hours |
|-------------|--------------|---|--------------|
| CHEM 1406 | | 4 GEOL 1404 | 4 |
| CIME 3327 | | 3 MATH 2384 | 3 |
| GEOG 1401 | | 4 READ 3373 | 3 |
| SPED 3301 | | 3 READ 3374 | 3 |
| TESL 3313 | | 3 Select one course from the list below ¹³ | 4 |
| | | 17 | 17 |

Fourth Year

| Fall | Hours | Spring | Hours |
|-------------|--------------|---------------------------|--------------|
| CIME 3375 | | 3 CIME 4392 | 3 |
| CIME 3376 | | 3 EDUC 4301 | 3 |
| CIME 3385 | | 3 TESL 4314 ¹² | 3 |
| CIME 4335 | | 3 | |
| CIME 4391 | | 3 | |
| | | 15 | 9 |

Total Hours: 128

- ¹ To satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science), BIOL 1408 and BIOL 1436 are suggested.
- ² To satisfy the Core Curriculum requirement for Component Area V (Creative Arts), CAMX 2301 is suggested.
- ³ To satisfy the Core Curriculum requirement for Component Area IX (Component Area Option), ECON 1100 and COMS 2382 are suggested.
- ⁴ Satisfies Core Curriculum requirement for Component Area I (Communication).
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- ⁶ Satisfies Core Curriculum requirement for Component Area II (Mathematics) as well as major.

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- 7 To satisfy the Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences), GEOG 1300 OR BESL 2301 is suggested.
8 Satisfies Core Curriculum requirement for Component Area VII (Political Science/Government).
9 ENGL 2332 (<http://catalog.shsu.edu/archives/2023-2024/search/?P=ENGL%202332>) or ENGL 2333 (<http://catalog.shsu.edu/archives/2023-2024/search/?P=ENGL%202333>) satisfy the Core Curriculum requirement for Component Area IV (Language, Philosophy, and Culture) as well as the major.
10 BESL 3301 is a prerequisite for TESL 3313.
11 SPED 2301 is a prerequisite for SPED 3301.
12 TESL 3313 is a prerequisite for TESL 4314.
13 Select one course from the list below. BIOL 2401 (<http://catalog.shsu.edu/archives/2023-2024/search/?P=BIOL%202401>) is recommended.

| Code | Title | Hours |
|----------------------------------|-----------------------|-------|
| Course List ¹³ | | |
| ASTR 3303 | Life in the Universe | 3 |
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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.