

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

**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 |
|--|--|-------|
| <b>Bachelor of Science, Major in Education: 4-8 Mathematics</b>  |  |       |
| <b>Core Curriculum</b> ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/</a> ) |  |       |
| Component Area I (Communication)   |  | 6     |
| Component Area II (Mathematics) <sup>1</sup>   |  | 3     |
| Component Area III (Life and Physical Science) <sup>2</sup>  |  | 8     |
| Component Area IV (Language, Philosophy, and Culture) <sup>3</sup>   |  | 3     |
| Component Area V (Creative Arts) <sup>4</sup>  |  | 3     |
| Component Area VI (U.S. History)   |  | 6     |
| Component Area VII (Political Science/Government)  |  | 6     |
| Component Area VIII (Social and Behavioral Sciences) <sup>5</sup>  |  | 3     |
| Component Area IX (Component Area Option) <sup>6</sup>   |  | 4     |
| <b>Degree Specific Requirements</b>  |  |       |
| ENGL 2332<br>or ENGL 2333  | World Literature I: Before the 17th Century <sup>3</sup><br>World Literature II: From the 17th Century and After | 3     |
| MATH 1384  | Introduction to Foundations of Mathematics I <sup>1</sup>  | 3     |
| <b>Major: Foundation</b>   |  |       |
| BESL 3301  | Second Language Acquisition <sup>7</sup>   | 3     |
| CIME 2313  | Teaching as a Profession   | 3     |
| CIME 3327  | Integrating Technology in the 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     |
| MATH 1385  | Introduction to Foundations of Mathematics II  | 3     |
| MATH 2384  | Functions and Graphs   | 3     |
| MATH 2385  | Fundamentals of Calculus   | 3     |
| MATH 3380  | Historical Perspectives of Mathematics   | 3     |
| MATH 3383  | Geometric Measurement/Transformation   | 3     |
| MATH 3384  | Foundations of Mathematics   | 3     |
| MATH 3386  | Fundamentals of Probability and Statistics   | 3     |
| MATH 3387  | Problem Solving-Middle School Mathematics  | 3     |
| SPED 2301  | Introduction to Exceptionality   | 3     |
| <b>Major: Required</b>   |  |       |
| <b>Field Experience I</b>  |  |       |
| SPED 3301  | Learning and Instruction for Children with Disabilities  | 3     |
| TESL 3313  | English Second Language Methodology I <sup>7,8</sup>   | 3     |
| <b>Field Experience II</b>   |  |       |
| READ 3373  | Content Area Reading in the Middle Grades  | 3     |
| READ 3374  | Vocabulary and Word Study in the Middle Grades   | 3     |
| <b>YCT Semester I</b>  |  |       |
| CIME 3376  | Curriculum and Assessment For Middle Grades  | 3     |
| CIME 4334  | Teaching Math in Middle Grades   | 3     |
| CIME 4335  | Teaching Science in the Middle Grades  | 3     |
| CIME 4391  | Student Teaching in the Middle Grades  | 3     |

|                                     |   |            |
|-------------------------------------|---|------------|
| or CIEE 4391                        | Student Teaching Elementary School                            |            |
| <b>YCT Semester II</b>              |   |            |
| CIME 4392                           | Student Teaching in the Middle Grades                         | 3          |
| or CIEE 4392                        | Student Teaching Elementary School                            |            |
| EDUC 4301                           | Teacher Education Capstone                                    | 3          |
| TESL 4314                           | English Second Language Methodology II (Evening) <sup>8</sup> | 3          |
| Minor: Not Required <sup>9,10</sup> |   |            |
| <b>Total Hours</b>                  |   | <b>121</b> |

- <sup>1</sup> MATH 1384 satisfies the Core Curriculum requirement for Component Area II (Mathematics) and the major.
- <sup>2</sup> To satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science), BIOL 1408, BIOL 1436, CHEM 1406 are suggested.
- <sup>3</sup> ENGL 2332 or ENGL 2333 satisfies the Core Curriculum requirement for Component Area IV (Language, Philosophy, and Culture) and the major.
- <sup>4</sup> To satisfy the Core Curriculum requirement for Component Area V (Creative Arts), CAMX 2301 is suggested.
- <sup>5</sup> To satisfy the Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences), BESL 2301 OR GEOG 1300 are suggested.
- <sup>6</sup> To satisfy the Core Curriculum requirement for Component Area IX (Component Area Option), ECON 1100 and COMS 2382 are suggested.
- <sup>7</sup> BESL 3301 is a prerequisite for TESL 3313.
- <sup>8</sup> TESL 3313 is a prerequisite for TESL 4314.
- <sup>9</sup> 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.
- <sup>10</sup> 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, YCT Semester I, and YCT 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 CIME, READ, SPED, and TESL 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.

CIME 3385 is required prior to enrollment in YCT Semester I 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 here (<https://catalog.shsu.edu/archives/2025-2026/undergraduate/colleges-academic-departments/education/school-of-teaching-and-learning/special-education-minor/>).

**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.

## First Year

| Fall  | Hours | Spring   | Hours |
|---|-------|--|-------|
| Component Area III ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii</a> ) <sup>1</sup> |       | 4 Component Area VIII ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii</a> ) <sup>6</sup> | 3     |
| Component Area V ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav</a> ) <sup>2</sup>       |       | 3 Component Area IX ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix</a> ) <sup>7</sup>       | 1     |
| ENGL 1301 <sup>3</sup>  |       | 3 ENGL 1302 <sup>3</sup>   | 3     |

|   |              |                           |              |
|---|--------------|---------------------------|--------------|
| HSTY 1301 <sup>4</sup>  |              | 3 HSTY 1302 <sup>4</sup>  | 3            |
| MATH 1384 <sup>5</sup>  |              | 3 MATH 1385               | 3            |
|   |              | POLS 2305 <sup>8</sup>    | 3            |
|   |              | <b>16</b>                 | <b>16</b>    |
| <b>Second Year</b>  |              |                           |              |
| <b>Fall</b>   | <b>Hours</b> | <b>Spring</b>             | <b>Hours</b> |
| Component Area III ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii</a> ) <sup>1</sup> |              | 4 BESL 3301 <sup>10</sup> | 3            |
| Component Area IX ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix</a> ) <sup>7</sup>    |              | 3 CIME 3374               | 3            |
| CIME 2313   |              | 3 MATH 2385               | 3            |
| EDUC 1101   |              | 1 MATH 3380               | 3            |
| ENGL 2332 or 2333 <sup>9</sup>  |              | 3 SPED 2301               | 3            |
| MATH 2384   |              | 3                         |              |
| POLS 2306 <sup>8</sup>  |              | 3                         |              |
|   |              | <b>20</b>                 | <b>15</b>    |
| <b>Third Year</b>   |              |                           |              |
| <b>Fall</b>   | <b>Hours</b> | <b>Spring</b>             | <b>Hours</b> |
| CIME 3327   |              | 3 MATH 3386               | 3            |
| CIME 3385   |              | 3 MATH 3387               | 3            |
| MATH 3383   |              | 3 READ 3373               | 3            |
| MATH 3384   |              | 3 READ 3374               | 3            |
| SPED 3301   |              | 3                         |              |
| TESL 3313 <sup>10,11</sup>  |              | 3                         |              |
|   |              | <b>18</b>                 | <b>12</b>    |
| <b>Fourth Year</b>  |              |                           |              |
| <b>Fall</b>   | <b>Hours</b> | <b>Spring</b>             | <b>Hours</b> |
| CIME 3375   |              | 3 CIME 4392 or CIEE 4392  | 3            |
| CIME 3376   |              | 3 EDUC 4301               | 3            |
| CIME 4334   |              | 3 TESL 4314 <sup>11</sup> | 3            |
| CIME 4335   |              | 3                         |              |
| CIME 4391 or CIEE 4391  |              | 3                         |              |
|   |              | <b>15</b>                 | <b>9</b>     |

**Total Hours: 121**

- <sup>1</sup> To satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science), BIOL 1408, BIOL 1436 OR CHEM 1305, CHEM 1105 are suggested.
- <sup>2</sup> To satisfy the Core Curriculum requirement for Component Area V (Creative Arts), CAMX 2301 is suggested.
- <sup>3</sup> Satisfies Core Curriculum requirement for Component Area I (Communication).
- <sup>4</sup> Satisfies Core Curriculum requirement for Component Area VI (U.S. History).
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- <sup>11</sup> TESL 3313 is a prerequisite for TESL 4314.

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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 Mathematics is designed to provide graduates with the following marketable skills:

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