

# BS, MAJOR IN INTERDISCIPLINARY STUDIES CERTIFICATE: 4-8 MATHEMATICS

## Bachelor of Science, Major in Interdisciplinary Studies Certificate: 4-8 Mathematics

**Core Curriculum** ([catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/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)                       | 3 |
| Component Area III (Life and Physical Science)        | 8 |
| Component Area IV (Language, Philosophy, and Culture) | 3 |
| Component Area V (Creative Arts)                      | 3 |
| Component Area VI (U.S. History)                      | 6 |
| Component Area VII (Political Science/Government)     | 6 |
| Component Area VIII (Social and Behavioral Sciences)  | 3 |
| Component Area IX (Component Area Option)             | 4 |

### Degree Specific Requirements

|              |                                |   |
|--------------|--------------------------------|---|
| BESL 2301    | Multicultural Infl On Learning | 3 |
| BIOL 1408    | Contemporary Biology           | 4 |
| CHEM or PHYS |                                | 4 |
| MATH 1385    | Intro Foundations Of Math II   | 3 |
| MATH 2384    | Functions And Graphs           | 3 |
| SPED 2301    | Intro To Special Education     | 3 |

### Major Core

|           |                                 |   |
|-----------|---------------------------------|---|
| BESL 3301 | Lang Acquisition Thry-2nd Lang  | 3 |
| CIEE 2333 | Becoming A Teacher              | 3 |
| CIEE 3374 | Human Growth & Learning         | 3 |
| CIEE 4385 | Creatng Env for Learnng in Elem | 3 |
| MATH 2385 | Fundamentals Of Calculus        | 3 |
| MATH 3380 | Historical Perspec of Math      | 3 |
| MATH 3383 | Geometric Meas./Transformation  | 3 |
| MATH 3384 | Foundations Of Mathematics      | 3 |
| MATH 3386 | Fundmtls Probability/Stats      | 3 |
| MATH 3387 | Problem Solving-Middle Sch Mth  | 3 |
| SPED 3301 | Learn and Instruc Child W/Disa  | 3 |

### Major

#### Literacy Methods Block:

|           |                                |   |
|-----------|--------------------------------|---|
| READ 3373 | Content Area Rdg In Mid Grades | 3 |
| READ 3374 | Voc & Word Stdy In Mid Grades  | 3 |

#### Content Methods Block:

|           |   |   |
|-----------|---|---|
| CIME 3375 | The Middle Level Child                        | 3 |
| CIME 3376 | Curriculum & Assmt For Mid Grd                | 3 |
| CIME 4227 | Integrating Technology in the Middle Grades I | 2 |
| CIME 4334 | Teaching Math in Middle Grades                | 3 |
| READ 4310 | Rdg & Lang Arts In Mid Grades                 | 3 |

#### Student Teaching Block:

|           |  |   |
|-----------|--|---|
| CIME 4116 | Integrating Technology in the Middle Grades II | 1 |
| CIME 4391 | Student Teaching in the Middle Grades          | 3 |
| CIME 4392 | Student Teaching in the Middle Grades          | 3 |
| TESL 4303 | Teaching Eng As A Second Lang                  | 3 |

|             |     |
|-------------|-----|
| Total Hours | 125 |
|-------------|-----|

**Notes**

- Student Teaching Block is considered a FULL LOAD at SHSU. Please check prerequisites for Literacy Methods Block, Content Methods Block and Student Teaching.
- Field Experience in public schools is required for many CINE, ECHE, CIME, READ, and SPED classes.
- Full admission to the Educator Preparation program is required prior to enrollment in Literacy or Content Methods and Student Teaching.

**First Year**

| <b>Fall</b>  | <b>Hours Spring</b>  | <b>Hours</b> |
|--|--|--------------|
| BIOL 1408  | 4 Component Area III (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii) | 4            |
| Component Area II (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaii) | 3 Component Area IX (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)   | 1            |
| ENGL 1301 <sup>1</sup>   | 3 ENGL 1302 <sup>1</sup>   | 3            |
| HIST 1301 <sup>2</sup>   | 3 HIST 1302 <sup>2</sup>   | 3            |
| POLS 2305 <sup>3</sup>   | 3 MATH 1385  | 3            |
|  | POLS 2306 <sup>3</sup>   | 3            |
|  | 16   | 17           |

**Second Year**

| <b>Fall</b>  | <b>Hours Spring</b>  | <b>Hours</b> |
|--|--|--------------|
| BESL 2301  | 3 CIEE 2333  | 3            |
| CHEM or PHYS   | 4 Component Area III (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii) | 4            |
| Component Area VIII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii) | 3 Component Area V (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)     | 3            |
| Component Area IX (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)     | 3 MATH 2385  | 3            |
| MATH 2384  | 3 MATH 3380  | 3            |
|  | SPED 2301  | 3            |
|  | 16   | 19           |

**Third Year**

| <b>Fall</b> | <b>Hours Spring</b>  | <b>Hours</b> |
|-------------|--|--------------|
| BESL 3301   | 3 Component Area IV (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv) | 3            |
| CIEE 3374   | 3 MATH 3386  | 3            |
| CIEE 4385   | 3 MATH 3384  | 3            |
| MATH 3383   | 3 READ 3373  | 3            |
| MATH 3387   | 3 READ 3374  | 3            |
| SPED 3301   | 3  |              |
|             | 18   | 15           |

**Fourth Year**

| <b>Fall</b> | <b>Hours Spring</b> | <b>Hours</b> |
|-------------|---------------------|--------------|
| CIME 4227   | 2 CIME 4116         | 1            |
| CIME 3375   | 3 CIME 4391         | 3            |
| CIME 3376   | 3 CIME 4392         | 3            |
| CIME 4334   | 3 TESL 4303         | 3            |
| READ 4310   | 3                   |              |
|             | 14                  | 10           |

Total Hours: 125

- 1 Satisfies requirement for Component Area I (Communication).
- 2 Satisfies requirement for Component Area VI (U.S. History).
- 3 Satisfies requirement for Component Area VII (Political Science/Government).

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