

# 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) <sup>1-</sup>		8
Component Area IV (Language, Philosophy, and Culture)		3
Component Area V (Creative Arts) <sup>1-</sup>		3
Component Area VI (U.S. History)		6
Component Area VII (Political Science/Government)		6
Component Area VIII (Social and Behavioral Sciences) <sup>1-</sup>		3
Component Area IX (Component Area Option) <sup>1-</sup>		4
<b>Degree Specific Requirements</b>		
ENGL 2332	Wrld Lit I: Before 17 Century <sup>2</sup>	3
or ENGL 2333	World Lit II: 17th C & After	
MATH 1384	Intro To Foundations Of Math I <sup>3</sup>	3
<b>Major Core</b>		
EDUC 1101	Educator Preparation	1
BESL 3301	Second Language Acquisitions	3
CIME 3374	Human Growth & Learning	3
CIME 3385	The Middle Grades Classroom	3
MATH 1385	Intro Foundations Of Math II	3
MATH 2384	Functions And Graphs	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
<b>Major</b>		
TESL 3303	Litr Strat for Eng Lng Lrners	3
SPED 2301	Introduction to Exceptionality	3
CIME 2313	Teaching as a Profession	3
CIME 3327	Integ Tech in Middle Grades	3
CIME 3375	The Middle Level Child	3
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 3376	Curriculum & Assmt For Mid Grd	3
CIME 4334	Teaching Math in Middle Grades	3
CIME 4335	Teaching Science in the Middle Grades	3
TESL 4303	Teaching Eng As A Second Lang	3
Student Teaching Block:		
CIME 4391	Student Teaching in the Middle Grades	3
CIME 4392	Student Teaching in the Middle Grades	3

EDUC 4301	Teacher Education Capstone	3
Total Hours		122

- <sup>1</sup> Component III: PHYS/CHEM??; Component V: Suggested FAMC 2301; Component VIII: BESL 2301 or GEOG 1321; Component IX COMS 2382.  
<sup>2</sup> ENGL 2332 or ENGL 2333 satisfies the requirement for Component Area IV (Language, Philosophy, and Culture) and the major  
<sup>3</sup> MATH 1384 satisfies the requirement for Component Area II (Mathematics) and the major.

**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**

Fall	Hours Spring	Hours
Component Area II (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaii)	3 Component Area III (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)	4
BIOL 1408	4 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**

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

**Third Year**

Fall	Hours Spring	Hours
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 3385	3 MATH 3384	3
MATH 3383	3 READ 3373	3
MATH 3387	3 READ 3374	3
SPED 3301	3	
	18	15

**Fourth Year**

Fall	Hours Spring	Hours
CIME 4227	2 CIME 4116	1
CIME 3375	3 CIME 4391	3
CIME 3376	3 CIME 4392	3

CIME 4334	3 TESL 4303	3
		11
		10

Total Hours: 122

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

**Note:**

- 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.