BACHELOR OF SCIENCE, DOUBLE MAJOR IN EDUCATION AND MATHEMATICS

Code	Title	Hours
Bachelor of Science, Double Major in Education and Mathematics		
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]		4
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) [2]		3
Degree Specific Requirements		
ENGL 2332	Wrld Lit I: Before 17 Century [2]	3
MATH 1420	Calculus I [1]	4
Education Major		
CISE 3384	The Teaching Profession (Sophomore)	3
CISE 4364	Mth Tch Secondary Schools (Senior. Taken twice)	6
CISE 4374	Human Growth and Learning	3
CISE 4377	Assmt Stdnt Lrng In Secondary	3
CISE 4378	Content Literacy	3
CISE 4379	Differentiated Pedagogy	3
CISE 4380	Respon Of Pro Educator	3
SPED 3301	Learn and Instruc Child W/Disa	3
TESL 4303	Teaching Eng As A Second Lang	3
Mathematics Major		
MATH 1430	Calculus II	4
MATH 2440	Calculus III	4
MATH 3300	Introduction to Math Thought	3
MATH 3363	Euclidean Geometry	3
MATH 3377	Intro to Linear Alg & Matrics	3
MATH 3379	Statistical Mthods in Practice	3
MATH 4367	The Evolution of Mathematics	3
MATH 4377	Algebraic Structures	3
MATH 4384	Survey of Mathematical Ideas	3
MATH 4385	Mathematical Problem Solving	3
MATH Advance Electives		9
Student Teaching		
CISE 4394	Creatng Env For Lrng-Secondary	3
CISE 4396	Std Tch Secondary Classroom	3
CISE 4397	Std Tch Secondary Classroom	3
Total Hours		**122**

1 Satisfies Core Curriculum requirement for Component Area II (Mathematics).

2 ENGL 2332 satisfies both the Core Curriculum requirement for Component Area IX.(Component Area Option) and the major.

Notes

Students must earn a 2.75 GPA (overall or in the last 60 hours) to be admitted into the State Educator Preparation Program.

Students must earn a 2.5 minimum GPA in all Education coursework (SHSU and cumulative).

Students must earn a "C" or better in all Education coursework.

Students must earn cumulative 2.0 minimum GPA in all Mathematics coursework.

First Year

Fall	Hours	Spring	Hours
Component Area III (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)	4	Component Area III (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)	4
Component Area IV (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv)	3	Component Area V (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)	3
ENGL 1301[1]	3	ENGL 1302[1]	3
HIST 1301[2]	3	MATH 1430	4
MATH 1420[3]	4	MATH 3379	3
	17		**17**

Second Year

Fall	Hours	Spring	Hours
CISE 3384	3	Component Area VIII (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii)	3
CISE 4374	3	CISE 4380	3
MATH 2440	4	HIST 1302[2]	3
MATH 3300	3	MATH 3363	3
POLS 2305[4]	3	MATH 3377	3
		POLS 2306[4]	3
	16		**18**

Third Year

Fall	Hours	Spring	Hours
MATH Advance Elective	3	CISE 4364	3
MATH 4367	3	CISE 4379	3
MATH 4377	3	MATH Advance Elective	3
MATH 4385	3	MATH 4384	3
SPED 3301	3	TESL 4303	3
	15		**15**

Fourth Year

Fall	Hours	Spring	Hours
CISE 4364	3	CISE 4394	3
CISE 4377	3	CISE 4396	3
CISE 4378	3	CISE 4397	3
ENGL 2332[5]	3		
MATH Advance Elective	3		
	15		**9**

Total Hours: 122

1 Satisfies Core Curriculum requirement for Component Area I (Communications).

2 Satisfies Core Curriculum requirement for Component Area VI (U.S. History).

3 Satisfies Core Curriculum requirement for Component Area II (Mathematics).

[4] Satisfies Core Curriculum requirement for Component Area VII (Political Science)

[5] ENGL 2332 satisfies both the Core Curriculum requirement for Component Area IX.(Component Area Option) and the major.

Notes

Students must earn a 2.75 GPA (overall or in the last 60 hours) to be admitted into the State Educator Preparation Program.

Students must earn a 2.5 minimum GPA in all Education coursework (SHSU and cumulative).

Students must earn a "C" or better in all Education coursework.

Students must earn cumulative 2.0 minimum GPA in all Mathematics coursework.

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 with a Double Major in Education and Mathematics is designed to provide graduates with the following marketable skills:

- Prepared to teach Mathematics content for Texas teacher certification.
- Prepared to implement evidence-based methods of teaching and learning.
- Fully qualified to teach in Texas public high schools.