BACHELOR OF SCIENCE, DOUBLE MAJOR IN EDUCATION AND MATHEMATICS

Code	Title	Hours				
Bachelor of Science, Double Major i	n 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)		4				
Component Area III (Life and Physic	al Science) ¹	8				
Component Area IV (Language, Philosophy, and Culture)						
Component Area V (Creative Arts)						
Component Area VI (U.S. History)						
Component Area VII (Political Science/Government)						
Component Area VIII (Social and Behavioral Sciences)						
Component Area IX (Component Area	ea Option)	3				
Degree Specific Requirements						
ENGL 2332	Wrld Lit I: Before 17 Century ²	3				
MATH 1420	Calculus I ³	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				

Satisfies Core Curriculum requirement for Component Area III (Life and Physical Science). Two courses from the same discipline should be selected.

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

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

Notes

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 have a 2.75 GPA (overall or last 60 hours) for admissions to Educator Preparation.

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

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Total Hours: 122

² Satisfies Core Curriculum requirement for Component Area I (Communications).

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

- ⁴ Satisfies Core Curriculum requirement for Component Area VI (U.S. History).
- Satisfies Core Curriculum requirement for Component Area VII (Political Science).
- Satisfies Core Curriculum requirement for Component Area IX (Component Area Option).

Notes

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 have a 2.75 GPA (overall or last 60 hours) for admissions to Educator Preparation.

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 in 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.