BACHELOR OF SCIENCE, DOUBLE MAJOR IN EDUCATION AND MATHEMATICS

Code	Title	Hours
Bachelor of Science, Double Major in Education and Mathematics		
Core Curriculum (https://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	World Literature I: Before the 17th Century [2]	3
MATH 1420	Calculus I [1]	4
Major: Required (Education)		
CISE 3383	Planning Instruction With Technology Integration	3
CISE 3384	The Teaching Profession	3
CISE 4364	Methods of Teaching in Secondary Schools	3
CISE 4374	Human Growth and Learning	3
CISE 4377	Assessment of Student Learning In Secondary Grades	3
CISE 4379	Differentiated Pedagogy	3
CISE 4394	Creating an Environment For Learning-Secondary Education	3
READ 4378	Multiple Literacies in Secondary Education	3
SPED 3301	Learning and Instruction for Children with Disabilities	3
TESL 4303	Teaching English As A Second Language	3
Major: Required (Mathematics)		
MATH 1430	Calculus II	4
MATH 2440	Calculus III	4
MATH 3300	Introduction to Mathematics Thought	3
MATH 3363	Euclidean Geometry	3
MATH 3377	Introduction to Linear Algebra and Matrices	3
MATH 3379	Statistical Methods 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 4380	Responsibilities of the Professional Educator	3
CISE 4396	Student Teaching - Secondary Classroom	3
CISE 4397	Student Teaching - Secondary Classroom	3
Minor: Not Required [3,4]		
Total Hours		**122**

[1] Satisfies the 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.

[3]   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.

[4]   The following minor cannot be paired with this degree program: Minor in Mathematics.

Notes

Students must earn a 2.0 minimum overall GPA in all coursework.

Students must meet a 2.0 minimum overall major GPA in all major coursework.

Students must earn a 2.0 minimum SHSU GPA in all coursework.

Students must meet a 2.0 minimum SHSU major GPA in all major coursework.

Students must maintain a 2.5 minimum overall GPA in Mathematics 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.

Students must earn a "C" or better in all Mathematics coursework. Students must earn cumulative 2.5 minimum GPA in all Mathematics coursework.

Students must earn a "C" or better in all Education coursework. Students must earn an overall GPA of 2.75 to be eligible for teacher certification.

First Year

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

Second Year

Fall	Hours	Spring	Hours
Component Area VIII (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii)	3	CISE 3384	3
HSTY 1302[2]	3	CISE 4374	3
MATH 2440	4	MATH 3363	3
MATH 3300	3	MATH 3377	3
POLS 2305[4]	3	POLS 2306[4]	3
	16		**15**

Third Year

Fall	Hours	Spring	Hours
MATH 4367	3	CISE 3383	3
MATH 4377	3	CISE 4394	3
MATH 4385	3	MATH 4384	3
SPED 3301	3	READ 4378	3
TESL 4303	3	MATH Advanced Elective	3
MATH Advanced Elective	3		
	18		**15**

Fourth Year

Fall	Hours	Spring	Hours
CISE 4364	3	CISE 4380	3

CISE 4377	3	CISE 4396	3
CISE 4379	3	CISE 4397	3
ENGL 2332[5]	3		
MATH Advanced Elective	3		
	15		**9**

Total Hours: 122

[1] Satisfies the Core Curriculum requirement for Component Area I (Communications).
[2] Satisfies the Core Curriculum requirement for Component Area VI (U.S. History).
[3] Satisfies the Core Curriculum requirement for Component Area II (Mathematics).
[4] Satisfies the 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 2.0 minimum overall GPA in all coursework.

Students must meet a 2.0 minimum overall major GPA in all major coursework.

Students must earn a 2.0 minimum SHSU GPA in all coursework.

Students must meet a 2.0 minimum SHSU major GPA in all major coursework.

Students must maintain a 2.5 minimum overall GPA in Mathematics 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.

Students must earn a "C" or better in all Mathematics coursework. Students must earn cumulative 2.5 minimum GPA in all Mathematics coursework.

Students must earn a "C" or better in all Education coursework. Students must earn an overall GPA of 2.75 to be eligible for teacher certification.

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.

The following minor cannot be paired with this degree program: Minor in Mathematics.

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.