

BACHELOR OF SCIENCE, MAJOR IN EDUCATION, 4-8 SCIENCE: 4+1 MASTER OF EDUCATION IN TEACHING & LEARNING

Admission Documentation and Criteria

Applicants seeking admission to the Bachelor of Science in Education and Master of Education in Teaching and Learning 4+1 Program must submit the following:

- 4+1 Program Application through Apply Texas
- Current undergraduate transcript demonstrating a minimum 3.00 overall GPA or last 60 SCH.
- Three Reference Forms (at least two from SHSU professors)
- Writing Sample

Admission to the 4+1 program is competitive and the number of available positions is limited.

Before a formal offer of admission will be issued, the applicant must supply evidence that he or she has passed both the appropriate content TExES and PPR TExES certification exams.

Additional information: Reference the Program Landing Page (<https://www.shsu.edu/programs/bachelor-degree-in-education/>) for additional information, such as cost, delivery format, contact information, or to schedule a visit.

Code	Title	Hours
Bachelor of Science, Major in Education, 4-8 Science: 4+1 Master of Education in Teaching & Learning		
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	3
	Component Area III (Life and Physical Science) ²	8
	Component Area IV (Language, Philosophy, and Culture) ³	3
	Component Area V (Creative Arts) ⁴	3
	Component Area VI (U.S. History)	6
	Component Area VII (Political Science/Government)	6
	Component Area VIII (Social and Behavioral Sciences) ⁵	3
	Component Area IX (Component Area Option) ⁶	4
Degree Specific Requirements		
ENGL 2332 or ENGL 2333	World Literature I: Before the 17th Century ³ World Literature II: From the 17th Century and After	3
MATH 1384	Introduction to Foundations of Mathematics I ¹	3
Major: Foundation		
BESL 3301	Second Language Acquisition ⁷	3
CHEM 1406	Inorganic & Environmental Chemistry	4
CIME 2313	Teaching as a Profession	3
CIME 3327	Integrating Technology in the Middle Grades	3
CIME 3374	Human Growth & Learning	3
CIME 3375	The Middle Level Child	3
CIME 3385	The Middle Grades Classroom	3
EDUC 1101	Educator Preparation	1
GEOG 1401	Weather and Climate	4
GEOL 1403	Physical Geology	4
GEOL 1404	Historical Geology	4
MATH 1385	Introduction to Foundations of Mathematics II	3
MATH 2384	Functions and Graphs	3
PHYS 1305 & PHYS 1105	Classical Physics and Thermodynamics and Classical Physics and Thermodynamics Lab	4
PHYS 1403	Stars & Galaxies	4

SPED 2301	Introduction to Exceptionality	3
Major: Sciences		3
Select one of the following: ⁸		
ASTR 3303	Life in the Universe	
ASTR 3383	Cosmic Catastrophes	
BIOL 1406	General Biology I	
BIOL 1407	General Biology II	
BIOL 2401	Human Anatomy ⁹	
GEOL 3326	Environmental Geology	
GEOL 3330	Oceanography	
Major: Prescribed Electives		
Education Undergraduate Elective		1
Field Experience I		
SPED 3301	Learning and Instruction for Children with Disabilities	3
TESL 3313	English Second Language Methodology I ^{7,9}	3
Field Experience II		
READ 3373	Content Area Reading in the Middle Grades	3
READ 3374	Vocabulary and Word Study in the Middle Grades	3
YCT Semester I		
CIME 3376	Curriculum and Assessment For Middle Grades	3
CIME 4335	Teaching Science in the Middle Grades	3
CIME 4391	Student Teaching in the Middle Grades	3
4+1 MED Pre-Internship¹⁰		
CIED 5383	Integrating Current Technologies in Education	3
CIED 5393	Assessment and Accountability	3
SPED 5301	Education of Individuals with Disabilities	3
TESL 4314	English Second Language Methodology II ⁹	3
4+1 MED Teaching & Learning		
BESL 5318	Sheltered Instruction in Prekindergarten-12	3
CIED 5370	Foundations of Education Research	3
CIED 5371	Applied Research in Education	3
CIED 5382	Instructional Coaching	3
CIED 5390	Advanced Methods for Classroom Management and Discipline	3
CIED 5398	Practicum in Classroom Instruction I (Title of course should be changed to Practicum in Classroom Instruction I)	3
CIED 5399	Practicum in Classroom Instruction II (Title of course should be changed to Practicum in Classroom Instruction II)	3
Minor: Not Required^{11, 12}		
Total Hours		152

¹ MATH 1384 satisfies the Core Curriculum requirement for Component Area II (Mathematics) as well as the major.

² To satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science), BIOL 1408 and BIOL 1436 are suggested.

³ ENGL 2332 or ENGL 2333 satisfy the Core Curriculum requirement for Component Area IV (Language, Philosophy, and Culture) as well as the major.

⁴ To satisfy the Core Curriculum requirement Component Area V (Creative Arts), CAMX 2301 is suggested.

⁵ To satisfy the Core Curriculum requirement Component Area VIII (Social and Behavioral Sciences), GEOG 1300 OR BESL 2301 is suggested.

⁶ To satisfy the Core Curriculum requirement for Component Area IX (Core Component Area), ECON 1100 and COMS 2382 are suggested.

⁷ BESL 3301 is the prerequisite for TESL 3313.

⁸ BIOL 2401 is recommended.

⁹ TESL 3313 is the prerequisite for TESL 4314.

¹⁰ Students must apply for graduation with their bachelor's degree during their M.Ed. Pre-Internship semester to be eligible for their internship placement.

¹¹ 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 credit hours may be needed above the degree program's stated total semester credit hours.

¹² All minors can be paired with this degree program.

Notes

Students must earn a 2.75 minimum overall GPA in all coursework.

Students must meet a 2.75 minimum overall major GPA or in the last 60 semester hours in all major coursework.

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

Students must meet a 2.75 minimum SHSU major GPA in all 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.

Student Teaching Block is considered a FULL LOAD at SHSU. Please check prerequisites for Field Experience I, Field Experience II, YCT Semester I, and YCT Semester II. Each field experience block must be completed successfully in order to progress through the field experience sequence.

Field Experience in public schools is required for many CIEE, CIME, ECHE, READ, SPED, and TESL classes.

Full admission to the Educator Preparation program and CIME 2313, CIME 3374, and SPED 2301 are required prior to enrollment in Field Experience I.

BESL 3301 is required prior to enrollment in Field Experience II.

4-8 teaching candidates are now eligible to add a Minor in Special Education. This degree minor provides a pathway for College of Education students majoring in grades 4-8 certification tracks or the grades 7-12 certification tracks to also graduate with a teaching certification in the area of special education. The course requirements are available by clicking here (<https://catalog.shsu.edu/archives/2025-2026/undergraduate/colleges-academic-departments/education/school-of-teaching-and-learning/special-education-minor/>).

Additional information: Reference the Program Landing Page (<https://www.shsu.edu/programs/bachelor-degree-in-education/>) for additional information, such as cost, delivery format, contact information, or to schedule a visit.

First Year

Fall	Hours	Spring	Hours
Component Area III (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii) ¹		4 Component Area III (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii) ¹	4
Component Area V (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav) ²		3 Component Area VIII (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii) ⁷	3
Component Area IX (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix) ³		1 ENGL 1302 ⁴	3
ENGL 1301 ⁴		3 HSTY 1302 ⁵	3

HSTY 1301 ⁵		3 MATH 1385		3	
MATH 1384 ⁶		3 POLS 2305 ⁸		3	
		17		19	
Second Year					
Fall	Hours	Spring	Hours		
Component Area IX (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix) ³		3 CIME 3374		3	
CIME 2313		3 GEOL 1403		4	
EDUC 1101		1 MATH 2384		3	
ENGL 2332 or 2333 ⁹		3 PHYS 1403		4	
PHYS 1305 & PHYS 1105		4 SPED 2301		3	
POLS 2306 ⁸		3			
		17		17	
Third Year					
Fall	Hours	Spring	Hours		
BESL 3301 ¹⁰		3 CIME 3327		3	
CHEM 1406		4 GEOL 1404		4	
GEOG 1401		4 READ 3373		3	
SPED 3301		3 READ 3374		3	
TESL 3313 ^{10,11}		3 Major: Sciences ¹²		4	
		17		17	
Fourth Year					
Fall	Hours	Spring	Hours		
CIME 3375		3 CIED 5383 ¹³		3	
CIME 3376		3 CIED 5393 ¹³		3	
CIME 3385		3 SPED 5301 ¹³		3	
CIME 4335		3 TESL 4314 ^{11,13}		3	
CIME 4391		3			
		15		12	
Fifth Year					
Fall	Hours	Spring	Hours	Summer	Hours
BESL 5318		3 CIED 5370		3 CIED 5371	3
CIED 5398		3 CIED 5399		3 CIED 5382	3
				CIED 5390	3
		6		6	9

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³ To satisfy the Core Curriculum requirement for Component Area IX (Core Component Area), ECON 1100 and COMS 2382 are suggested.

⁴ Satisfies the Core Curriculum requirement for Component Area I (Communication).

⁵ Satisfies the Core Curriculum requirement for Component Area VI (U.S. History).

⁶ MATH 1384 satisfies the Core Curriculum requirement for Component Area II (Mathematics) as well as the major.

⁷ To satisfy the Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences), GEOG 1300 OR BESL 2301 is suggested.

⁸ Satisfies the Core Curriculum requirement for Component Area VII (Political Science/Government).

- ⁹ ENGL 2332 OR ENGL 2333 satisfy the Core Curriculum requirement for Component Area IV (Language, Philosophy, and Culture) as well as the major.
- ¹⁰ BESL 3301 is the prerequisite for TESL 3313.
- ¹¹ TESL 3313 is the prerequisite for TESL 4314.
- ¹² Select one of the following Major: Sciences from the list below. BIOL 2401 is recommended.
- ¹³ Students must apply for graduation with their bachelor's degree during their M.Ed. Pre-Internship semester to be eligible for their internship placement.

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Major: Sciences ¹³		3
ASTR 3303	Life in the Universe	3
ASTR 3383	Cosmic Catastrophes	3
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- Student Teaching Block is considered a FULL LOAD at SHSU. Please check prerequisites for Field Experience I, Field Experience II, YCT Semester I, and YCT Semester II. Each field experience block must be completed successfully in order to progress through the field experience sequence.
- Field Experience in public schools is required for many CIEE, CIME, ECHE, READ, SPED, and TESL classes.
- Full admission to the Educator Preparation program and CIME 2313, CIME 3374, and SPED 2301 are required prior to enrollment in Field Experience I.
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- Students must apply for graduation with their bachelor's degree during their M.Ed. Pre-Internship semester to be eligible for their internship placement.
- 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, Major in Education, 4-8 Science: MED in Teaching and Learning is designed to provide graduates with the following marketable skills:
 - Prepared to teach all Science content necessary for 4 - 8 certification.
 - Prepared to implement evidence-based methods of teaching and learning.
 - Fully qualified to teach in Texas public schools.