

Degree: Bachelor of Science | Major: Education | Certification: Science (4th – 8th) | 120 Hours

The degree requirements below are outlined in the 2025 Undergraduate Catalog and will remain valid through summer 2031.

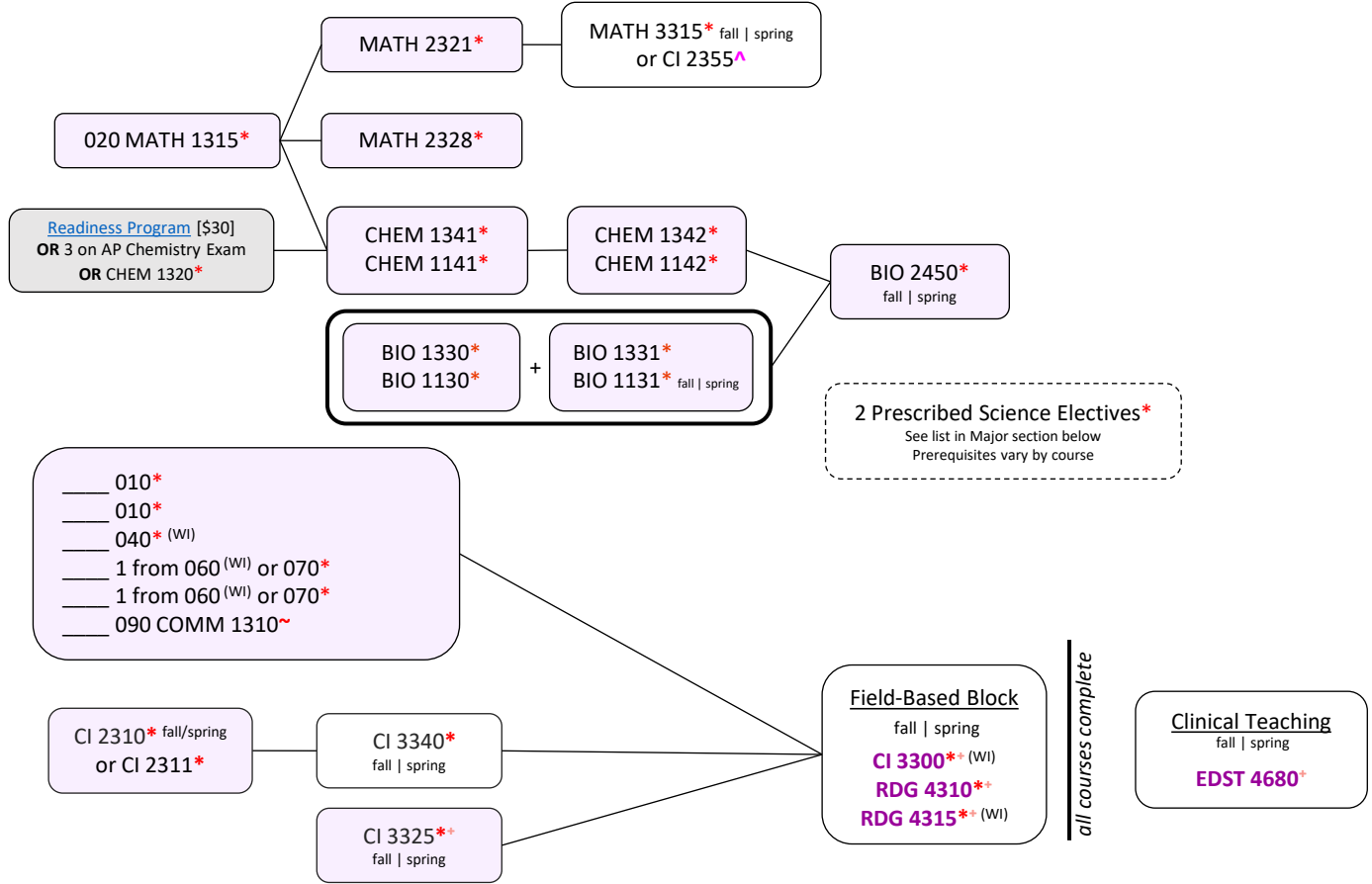
Institutional Requirement (1+ hours)	Texas State Catalog Degree Plan	Transfer Equivalency (TCCN)
University Seminar	US 1100	Waived for transfer students with 16+ hours.
Foreign Language Proficiency	<i>Consult with TXST advisor to determine if coursework is required</i>	
Program-Specific Core Curriculum (12 hours)		
020 Mathematics (3 hours)	MATH 1315 or 1319*	MATH 1314 or 1324*
030 Life and Physical Sciences (6 hours) <i>Faculty recommend taking education-specific sciences at TXST</i>	BIO 1330* PHYS 1365*	BIOL 1306 (lab required – see major below)* PHYS 1301, 1302, 1305, 1307, or 1310*†
090 Component Area (3 hours)	COMM 1310~	SPCH 1311 or 1315 or 1318^
General Education Core Curriculum (30 hours) refer to the undergraduate catalog for core curriculum options		
010 Communication (6 hours)	010 Course* 010 Course*	010 Course* 010 Course*
040 Language, Philosophy, and Culture (3 hours)	040 Course* (WI)	040 Course*
050 Creative Arts (3 hours)	050 Course	050 Course
060 American History (6 hours)	060 Course* (WI) 060 Course* (WI)	060 Course* 060 Course*
070 Government/Political Science (6 hours)	070 Course* 070 Course*	070 Course* 070 Course*
080 Social and Behavioral Sciences (3 hours)	080 Course	080 Course
090 Component Area (3 hours)	090 Course (WI)	090 Course
Major (62 hours)		
Functional Biology Lab (lecture required in core)	BIO 1130*	BIOL 1106*
Organismal Biology Lecture + Lab	BIO 1331* + BIO 1131*	BIOL 1307* + BIOL 1107*
Genetics	BIO 2450*	BIOL 2416*
Earth Science I	BIO 4402*	
Earth Science II	BIO 4403*	
Science Processes and Research	BIO 4408*	
Science Electives	Select 2 from BIO and GEOL*	
General Chemistry I + Lab	CHEM 1341 + CHEM 1141*	CHEM 1311* + CHEM 1111*
General Chemistry II + Lab	CHEM 1342 + CHEM 1142*	CHEM 1312* + CHEM 1112*
Education for Change or Educ. & Equity in a Diverse Society	CI 2310 or CI 2311*	EDUC 1301*
Adolescents and Society	CI 3325*	EDUC 2301*
Teaching for Linguistic Diversity	CI 3340*	
Science in Elementary Education	CI 4355*	
Calculus for Life Science I	MATH 2321*	MATH 2313*
Elementary Statistics	MATH 2328*	MATH 1342*
Modern Geometry or STEM in Elementary Education	MATH 3315* or CI 2355*	
Astronomy (Solar System or Stars & Galaxies)	PHYS 1340 or PHYS 1350*	ASTR 1303, 1304, 1403, 1404 or PHYS 1303, 1304, 1403, or 1404*
Educating Students with Mild Disabilities	SPED 4344*	
Certification (15 hours)		
Content Reading	RDG 4310*	
Critical Media Literacy for Educators	RDG 4315* (WI)	
Middle School Curriculum and Instruction	CI 3300* (WI)	
Clinical Teaching	EDST 4680*	
Educator Preparation Program Requirements		
'C' or better in: • 010 Core • 020 Core • 040 Core • 060/070 Core (2 of 4 must be 'C' or better)		
'B' or better in 090 Core COMM/SPCH; if 'C' is earned student can pursue appeal with the Office of Educator Preparation		
Junior Classification (60+ earned credit hours)		
2.75 Overall GPA		
Comments		
~ Requires grade of 'B' or better		
* Requires grade of 'C' or better		
† CC/JC may require 4-hour course with lab; lab is not required at TXST and will be considered an "open elective" towards your degree		
(WI) Writing Intensive		
This degree program requires a 2.0 Texas State GPA, 2.75 Overall GPA, 2.25 Major GPA, and 2.0 Minor GPA (if declared) to graduate.		
Students should avoid enrolling in more than 72 CC/JC hours without prior consultation with an academic advisor.		

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The sequencing below reflects course prerequisites that are subject to change each academic year.
For use in planning **Fall 2025, Spring 2026, and Summer 2026** semesters.

PRIORITY DUE TO SEQUENCING

Prioritize these courses in your schedule each semester



ADDITIONAL REQUIRED COURSES

Use these courses to fill remaining space in your schedule each semester

Core Curriculum

- 030 PHYS 1365 fall | spring
- 050
- 060 (WI) or 070
- 060 (WI) or 070
- 080
- 090B (WI)

Major

- BIO 4402* fall
- BIO 4403* spring
- BIO 4408* fall | spring
- Two Prescribed Science Electives from*:
- BIO 2@, BIO 3@, BIO 4@, GEOL 3@, GEOL 4@
- CI 4355*+
- Select one from*:
PHYS 1340 or 1350
- SPED 4344*+

- US 1100
- Foreign Language Proficiency

GPA restricted (2.75 Overall) | * requires grade of 'C' or better | ~ requires grade of 'B' or better | + classification restriction | ^ requires additional prerequisites | (WI) Writing Intensive

PURPLE: if planning to complete courses at a transfer institution, refer to the first page for transfer equivalency

This degree program also requires a 2.0 Texas State GPA, 2.75 Overall GPA, 2.25 Major GPA, and 2.0 Minor GPA (if declared) to graduate.