

General Science Education (CSIB)

Freshman

Fall	Hours	Spring	Hours
ENGL 1100 English Composition I		3 GEOL 1100 Dynamic Earth	4
MATH 1610 Calculus I <i>or</i> 1617 Honors Calculus I		4 BIOL 1030 Organismal Biology	3
BIOL 1020 Principles of Biology		3 BIOL 1031 Organismal Biology Laboratory	1
BIOL 1021 Principles of Biology Laboratory		1 Humanities Core	3
Core Fine Arts		3 ENGL 1120 English Composition II	3
Core History ¹		3 EDUC 1010 Orientation to Teacher Education ⁴	0
		Core History or Core Social Science	3
	17		17

Sophomore

Fall	Hours	Spring	Hours
CHEM 1030 Fundamentals Chemistry I		3 CHEM 1040 Fundamental Chemistry II	3
CHEM 1031 Fundamental Chemistry I Laboratory		1 CHEM 1041 Fundamental Chemistry II Laboratory	1
Core Literature ¹		3 Core Literature or Core Humanities	3
Core Social Science		3 Core Social Science	3
BIOL 2500 Human Anatomy and Physiology I		3 BIOL 3060 Ecology	4
BIOL 2501 Human Anatomy and Physiology I Laboratory		1 GEOL 1110 Earth and Life Through Time	4
BIOL 3030 Evolution and Systematics	3		
	17		18

Junior

Fall	Hours	Spring	Hours
Select one of the following: PHYS 1500 General Physics I PHYS 1600/1607 Engineering Physics I		4 Select one of the following: PHYS 1510 General Physics II PHYS 1610/1617 Engineering Physics II	4
FOUN 3000 Diversity of Learners and Settings ⁴		3 CTSE 4090 Curriculum and Teaching I: Science ^{2,4}	4
CTSE 5000 Technology in Science Education ⁴		2 GEOL 5220 Geomorphology	3
GEOL 2010 Mineralogy and Optical Crystallography		5 RSED 3000 Diversity and Exceptionality of Learners	3
GEOL 3060 Lunar and Planetary Geology		3 Course 3000-5000 level Earth Systems Science Elective	3
	17		17

Senior

Fall	Hours	Spring	Hours
FOUN 3120 Adolescent Development, Learning, Motivation and Assessment II ^{2,4}		3 UNIV 4AA0 Achieve the Creed	0
CTSE 5100 Curriculum and Teaching II: Science		4 CTSE 4920 Clinical Residency ³	11

CTRD 5000 Language and Literacy in the Content Areas^{2,4}	3	CTSE 5240 Clinical Residency Seminar in Science Teaching^{2,5}	1
GEOL 3200 Introduction to Paleobiology	3		
	13		12
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Total Hours: 128			

¹ Students must complete a history sequence or a literature sequence.

² Prerequisite: Admission to Teacher Education.

³ Prerequisite: Admission to Clinical Residency (application for Clinical Residency is one year in advance).

⁴ Prerequisite for Admission to Clinical Residency.

⁵ Corequisite for Clinical Residency.