

**Central Connecticut State University  
School of Education**

**Degree:** Bachelor of Science (Certifiable for Elementary Education)  
**Program:** General Science with Specialization in Biology  
**Effective Term:** Fall 2025

Name: \_\_\_\_\_

ID#: \_\_\_\_\_

**General Education: Ways of Understanding:**

**Arts & Humanities (9 credits)**

	Credits	Grade
Literature	3	
	3	
	3	

**Social & Behavioral Sciences (12 credits)**

HIST 161 or 162	X	
PSY 136	X	
EDEL 212	X	
	3	

**Math & Natural Sciences (9-10 credits)**

MATH 113	X	
SCI 211	X	
CHEM 161 & 162	X	

**General Education: Essential Skills:**

**Written & Oral Communication (6 credits)**

^WRT 105 or 110 Intro to College Writing	3	
	3	

**World Language (0-6 credits) or Gen Ed Free Elective (3 credits)**

World Language course numbered 112 or 118* or Gen Ed Free Elective	3	
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**Thriving in College (2-3 credits)**

CCSU 102, 103, or FYE course**	2-3	
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A maximum of 16 credits(4 courses) applied towards Ways of Understanding and Essential Skills requirements may be used to fulfill a major and/or minor requirement.

**International & Equity, Justice, & Inclusion (EJI)**

**Requirements:** Coursework applied toward International & EJI requirements may be used in any other area of general education or program requirements

International	3	
International	3	
Equity, Justice, & Inclusion*** (EDEL 212)	3	

**\*Prerequisite to the Professional Program, Grade of C or better required.**

**Honors Program:** HON courses can be used to fulfill certain general education requirements. Consult the Honors Program curriculum for details.

**Residency Requirements:** A minimum of 30 credits overall must be completed in residence, with at least 15 credits in the major (at least 12 of which must be at the 300 level or above) and 9 credits in a minor at Central. In residence means attending classes conducted on campus or under supervision of Central. Coursework applied toward Related or Additional requirements may be used in any other area of general education or program requirements.

**Major Requirements (36 credits)**

Requires grade of C- or higher, unless otherwise specified

	Credits	Grade
^SCI 211 Earth & Physical Science	3	
CHEM 161 General Chemistry	3	
CHEM 162 General Chemistry Laboratory	1	
PHYS 111 Intro Physics OR PHYS 121 Gen. Physics	3-4	
<b>SELECT EARTH SCIENCE GROUP A OR B OR C</b>		
<b>Group A:</b> ESCI 129 Meteorology: Earth's Weather AND AST 113 The Cosmos	4	
	3	
<b>Group B:</b> ESCI 121 Dynamic Earth & ESCI 125 Lab AND ESCI 141 Earth & Life History & ESCI 145 Lab	8	
<b>Group C:</b> ESCI 131 Environ't Geoscience & ESCI 135 lab AND ESCI 141 Earth & Life History & ESCI 145 lab	8	
<b>Biology Specialization:</b>		
BIO 121 General Biology I	4	
BIO 122 General Biology II	4	
BIO 200 Integrative Biology	3	
<b>Biology Electives</b> (min of 5 credits at 300/400 level) to reach 36 credits in the major		
BIO	3-4	
BIO	3-4	
BIO	3-4	

**Related Requirements (21 credits)**

^HIST 161 or 162 American History	3	
^PSY 136 Life-Span Development	3	
^EDEL 115 Fostering Positive School Climate	3	
^EDEL 212 Foundations of Elementary Ed	3	
^MATH 113 Structure of Math I: Number Systems	3	
^MATH 213 Structure of Math II: Probability & Geometry	3	
^PSY 361 Psych of Early Childhood or PSY 362 Child PSY	3	

**Elementary Professional Education Core (40 credits)**

Requires grade of C or higher

EDEL 315 Principles of Learning: Elementary Education	3	
SPED 315 Introduction to Educating Learners with Exceptionalities	3	
LLA 315 Comprehensive Reading Instruction I	3	
EDT 305 Educational Technology for Elementary	1	
EDEL 322 Effective Elementary Teaching I	3	
LLA 316 Comprehensive Reading Instruction II	3	
EDEL 415 Elementary Social Studies Methods	2	
EDT 415 Developing Instructional Materials	1	
EDEL 420 Effective Elementary Teaching II	3	
MATH 412 Elementary Mathematical Methods	3	
LLA 412 Literacy in the Elementary School	3	
SCI 412 Elementary Science Methods	2	
EDEL 430 Elementary Education Student Teaching	9	
EDEL 431 Topic Seminar in Leadership and Learning Communities	1	

Free Electives may be used, as needed, to reach the total credits required for the degree when all other degree requirements have been met.

**Total Credits Required for Degree: 120**

\* Students with 3 years, or more, of one world language at the high school level, a passing score on a world language placement exam, or native proficiency in a language other than English will have the World Language requirement waived and can satisfy this requirement with any general education free elective course (3cr).

\*\* Transfer students with 24 or more transfer credits at the time of admission can satisfy this requirement with any general education free elective (3cr).

\*\*\* Waived for transfer students with 50 or more transfer credits at the time of admission.