

**Central Connecticut State University
School of Education**

Degree: Bachelor of Science (Certifiable for Elementary Education)

Program: Mathematics

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	
EDF 215	X	

Math & Natural Sciences (9-10 credits)

MATH 113	X	
SCI 211	X	
BIO 211	X	

General Education: Essential Skills:

Written & Oral Communication (6 credits)

*WRT 105 or WRT 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:

International	3	
International	3	
Equity, Justice, & Inclusion***	3	

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

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.

Major Requirements (33 credits)

Requires grade of C- or higher, unless otherwise specified.

	Credits	Grade
*MATH 113 Structure of Math I: Number Systems	3	
*MATH 213 Structure of Math II: Probability & Geometry	3	
MATH 305 Structure of Math III: Number Patterns	3	
MATH 306 Structure of Mathematics IV: Development of Geometric Ideas	3	
MATH 409 Mathematics through Computers	3	
STAT 215 Statistics for Behavioral Sciences I	3	
MATH 125 Appl Cal OR MATH 152 Calc I	3-4	
11-12 credits from the following to reach 33 credits in the major: MATH 110, 115, 116, 119, 120, 211, 218, 221, 307, 344, STAT 216		
MATH or STAT	3-4	
MATH or STAT	3-4	
MATH or STAT	3-4	
MATH or STAT	3-4	

Additional Requirements (21 credits)

*HIST 161 or 162 American History	3	
*PSY 136 Life-Span Development	3	
*PSY 361 Psych of Early Childhood OR PSY 362 Child Psych	3	
*EDEL 115 Fostering Positive School Climate through Aesthetic Education	3	
*EDF 215 Education in a Multicultural Society	3	
*SCI 211 Elementary Earth-Physical Sciences	3	
*BIO 211 Concepts in Biology	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 Ed Student Teaching	9	
EDEL 431 Topic Seminar in Leadership and Learning Communities	1	

Coursework applied toward Related or Additional requirements may be used in any other area of general education or program requirements.

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.