

**Central Connecticut State University  
School of Education**

**Degree:** Bachelor of Science (Certifiable for Secondary 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	
	3	

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

MATH 152	X	
Lab Science from Additional Requirement	X	
Lab Science from Additional Requirement	X	

**General Education: Essential Skills:**

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

WRT 105 or WRT 110	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*** EDSC 435	X	

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 (48 credits)**

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

	Credits	Grade
MATH 120 Problem Solving I	1	
MATH 152 Calculus I	4	
MATH 210 Number Systems from Advanced Viewpoint	3	
MATH 211 Clinical Experience in Math Ed I	1	
MATH 218 Discrete Mathematics	4	
MATH 220 Problem Solving II	1	
MATH 221 Calculus II	4	
MATH 228 Introduction to Linear Algebra	4	
MATH 320 Problem Solving III	1	
MATH 327 Curriculum & Technology in Secondary Mathematics I	3	
MATH 328 Curriculum & Technology in Secondary Mathematics II	3	
MATH 366 Introduction to Abstract Algebra	4	
MATH 377 Introduction to Real Analysis	4	
MATH 383 College Geometry	3	
STAT 314 Introductory Statistics for Secondary Teachers	3	
<b>5 credits from the following to reach 48 cr in the major:</b> MATH 222, 311, 344, 355, 411, 421, 422, 440, 465, 468, 469, 477, 491, STAT 315, 416, 453, 455, 456, 465		
MATH or STAT	1-4	
MATH or STAT	1-4	

**Related Requirements (11 credits)**

Requires grade of C- or higher

PHYS 125 AND PHYS 126 OR	8	
CHEM 161 & 162 AND CHEM 200 & CHEM 201	8	
CS 151 OR CS 213	3	

**Additional Requirements: (9 credits)**

HIST 161 OR HIST 162 American History I OR II	3	
PSY 136 Life-Span Development	3	
EDF 215 Education in a Multicultural Society	3	

**Professional Education Core (29 credits)**

Requires grade of C or higher

SPED 315 Intro to Educating Learners with Exceptionalities	3	
EDTE 316 Principles of Learning in Diverse Settings (Secondary)	4	
MATH 414 Teaching Math in the Middle school	3	
LLA 440 Literacy in the Secondary School	3	
EDSC 425 Multicultural, Interdisciplinary Teaching at the Secondary Level	3	
MATH 415 Teaching Mathematics in High School	3	
EDSC 435 Secondary Education Student Teaching	9	
MATH 426 Student Teaching Seminar	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.