

CENTRAL CONNECTICUT STATE UNIVERSITY

School of Education and Professional Studies

B.S.ED. (Grades 7 - 12) 120 Credits

MATHEMATICS

Name: _____ ID#: _____ Matriculation Semester: _____ Date: _____

GENERAL EDUCATION (44-46 credits)

Crs.	Grd.
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Some General Education courses can also fulfill Related Requirements

STUDY AREAS

Study Area I Arts & Humanities (9 credits)

ENG literature	3	
	3	
	3	

Study Area II Social Sciences (9 credits)

HIST	3	
	3	
	3	

Study Area III Behavioral Sciences (6 credits)

	3	
	3	

Study Area IV Natural Sciences (6 or 7 credits)

	3	
	3 or 4	

SKILL AREAS

Skill Area I Communication Skills (6 credits)

WRT 105 & 105P or WRT 110 Freshman Composition	3	
	3	

Skill Area II Mathematics Requirement (6 credits)

Course can be double-counted in major	X	X
Course can be double-counted in major	X	X

Skill Area III Foreign Language Proficiency Requirement (check one)

- completion of a level-three high school foreign language	
- passed a standardized foreign language exam	
- completion of 112 or 114 foreign language course	
- successful completion of an upper level foreign language course	
- demonstration of native proficiency in a language other than English	

Skill Area IV University Requirement (2 or 3 credits)

PE 144 required for students matriculating with fewer than 15 credits	2 or 3	
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International Requirement	
International Requirement	
First Year Experience Requirement	
Equity, Justice, & Inclusion (EJI)	

MATHEMATICS MAJOR (48 credits)

Crs.	Grd.
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Grade of C- or better required

MATH 120 Problem Solving I	1	
MATH 152 Calculus I	4	
MATH 211 Clinical Experience in Mathematics Education 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 313 Number Systems from an Advanced Viewpoint	3	
MATH 320 Problem Solving III	1	
MATH 327 Curriculum & Technology in Secondary Math I	3	
MATH 328 Curriculum & Technology in Secondary Math 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	
5 additional credits from MATH 222, 311, 344, 355, 411, 421, 422, 440, 465, 468, 469, 477, 491, STAT 315, 416, 453, 455, 456, 465		

RELATED REQUIREMENTS (20-21 credits)

Required for the Program & some can also fulfill General Education

Grade of C- or better required

SCIENCE RELATED REQUIREMENTS (8 credits)

PHYS 125 (ST IV) and PHYS 126 (ST IV) or	4	
CHEM 161 & 162 (ST IV) and CHEM 200 & 201 (ST IV)	4	

COMPUTER SCIENCE RELATED REQUIREMENTS (3-4 credits)

CS 151 or CS 213	3 or 4	
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ADDITIONAL REQUIREMENTS (9 credits)

HIST 161 or HIST 162 (ST II)	3	
PSY 136 Life Span Development (ST III)	3	
EDF 215 Education in a Multicultural Society (ST III)	3	

PROFESSIONAL EDUCATION (29 credits)

All courses require admission to the Professional Program

and a grade of C or better

SPED 315 Intro. to Educating Learners with Exceptionalities	3	
EDTE 316 Principles of Learning in Diverse Settings (7-12)	4	
MATH 414 Teaching Mathematics in the Middle School	3	
LLA 440 Literacy in the Secondary School	3	
EDSC 425 Multicultural, Interdisciplinary Teaching (7-12)	3	
MATH 415 Teaching Mathematics in the High School	3	
EDSC 435 Secondary Education Student Teaching	9	
MATH 426 Student Teaching Seminar	1	