

CENTRAL CONNECTICUT STATE UNIVERSITY
School of Education and Professional Studies
B.S.ED. (Grades 7 - 12) 130 Credits
MATHEMATICS

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

GENERAL EDUCATION (44-46 credits)

Crs.	Grd.
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STUDY AREAS

Study Area I Arts & Humanities (9 credits)

ENG literature	3	
	3	
	3	

Study Area II Social Sciences (9 credits)

HIST 161 Am. Hist. to 1877 or HIST 162 Am. Hist 1877 to Present	3	
	3	
	3	

Study Area III Behavioral Sciences (6 credits)

PSY 236 Life Span Development	3	
	3	

Study Area IV Natural Sciences (8 credits)

Choose one sequence: PHYS 125 and PHYS 126 or	4	X
CHEM 161/162 & 163/164 (double-counted in related requirement)	4	X

SKILL AREAS

Skill Area I Communication Skills (6 credits)

ENG 110 Freshman Composition	3	
	3	

Skill Area II Mathematics Requirement (6 credits)

CS 151 or CS 213 (double-counted in related requirement)	3 or 4	X
MATH 152 (double-counted in major)	4	X

Skill Area III Foreign Language Proficiency Requirement (check one)

- 3 sequential years of one foreign language at the high school level	
- 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	met	
International Requirement	met	
First Year Experience Requirement	met	

MAJOR

Crs.	Grd.
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MATHEMATICS (48 credits)

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	2	
MATH 320 Problem Solving III	1	
MATH 383 College Geometry	3	
MATH 327 Curriculum & Technology in Secondary Math I	3	
MATH 328 Curriculum & Technology in Secondary Math II	3	
MATH 366 Introduction to Abstract Algebra	3	
MATH 377 Introduction to Real Analysis	4	
STAT 314 Introductory Statistics for Secondary Teachers	3	
5 additional credits from MATH 222, 250, 311, 344, 355, 411, 421, 440, 468, 469, 470, 477, 491, STAT 315, 416, 453, 455, 456, 465		

RELATED REQUIREMENTS (11 - 12 credits)

PHYS 125 and PHYS 126 or	4	
CHEM 161, 162 (lab), 163 & 164 (lab)	4	
CS 151 or CS 213	3 or 4	

PROFESSIONAL EDUCATION (30 credits)

*SPED 315 Intro. to Educating Learners with Exceptionalities	3	
*EDTE 316 Principles of Learning	4	
*EDF 415 Educational Foundations	3	
*RDG 440 Literacy in the Secondary School	3	
*EDSC 425 Principles of Secondary Education	3	
*MATH 413 Teaching of Math in the Secondary School	4	
*EDSC 435 Secondary Education Student Teaching	9	
*MATH 426 Student Teaching Seminar	1	

ELECTIVES (if necessary to reach 130 credits)

*Admission to the Professional Program is required before taking this course