### CENTRAL CONNECTICUT STATE UNIVERSITY
#### School of Education and Professional Studies
##### B.S.ED. ELEMENTARY EDUCATION 130 Credits

**MATHEMATICS**

<table>
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<tr>
<th>Name:</th>
<th>ID#:</th>
<th>Matriculation Semester:</th>
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### GENERAL EDUCATION (44 - 46 credits)

#### Study Areas

**Study Area I**  Arts & Humanities  (9 credits)
- ENG literature
  - Crs. 3
  - Grd. 3

**Study Area II**  Social Sciences  (9 credits)
- *HIST 161 Am. Hist. to 1877 or HIST 162 Am. Hist 1877 to Present*
  - Crs. 3
  - Grd. 3

**Study Area III**  Behavioral Sciences  (6 credits)
- *PSY 236 Life Span Development*
  - Crs. 3

**Study Area IV**  Natural Sciences  (6 or 7 credits)
- BIO 211 Concepts in Biology
  - Crs. 3
- SCI 111 Elementary Earth/Physical Science
  - Crs. 3

### SUBJECT MATTER MAJOR

#### Mathematics (33 credits)
- *MATH 113 Structure of Math I: Number Systems*
  - Crs. 3
- MATH 213 Structure of Math II: Probability and Geometry
  - Crs. 3
- MATH 305 Structure of Math III: Number Patterns
  - Crs. 3
- MATH 306 Development of Mathematical Ideas
  - Crs. 3
- MATH 409 Mathematics Through Computers
  - Crs. 3
- STAT 215 Statistics for the Behavioral Sciences I
  - Crs. 3
- MATH 152 Calculus I or MATH 125 Applied Calculus
  - Crs. 3 or 4
- 11 - 12 credits from the following courses:
  - MATH 110, 115, 116, 119, 120, 152 (if not take above)
  - 211, 218, 221, 307, 344, STAT 216

### Skill Areas

**Skill Area I**  Communication Skills  (6 credits)
- *ENG 105 or ENG 110 Freshman Composition*
  - Crs. 3

**Skill Area II**  Mathematics Requirement  (6 credits)
- *MATH 113 (double-counted in major)*
  - X
- MATH 213 (double-counted in major)
  - 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 if matriculated with less than 15 credits)
  - Crs. 2 or 3

### Related Requirement  (3 credits)
  - Crs. 3

### International Requirement
- Crs. 3

### First Year Experience Requirement
- Crs. 3

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

**Pre-Professional Program**  (4 credits)
- *EDTE 210 Ed. & Teacher Lead. in Diverse Learning Comm.*
  - Crs. 3
- *EDT 210 Introduction to Educational Technology*
  - Crs. 1

### Elementary Professional Education Core  (45 credits)

#### Grade of C or better required
- EDEL 315 Principles of Learning: Elementary
  - Crs. 3
- SPED 315 Intro. to Educating Learners with Exceptionalities
  - Crs. 3
- RDG 315 Comprehensive Reading Instruction I
  - Crs. 3
- EDEL 322 Effective Elementary Teaching I
  - Crs. 3
- RDG 316 Comprehensive Reading Instruction II
  - Crs. 3
- EDF 415 Educational Foundations
  - Crs. 3
- EDT 415 Developing Instructional Materials
  - Crs. 1
- SCI 412 Learning and Curriculum Studies in Science
  - Crs. 2
- MATH 412 Elementary Mathematics Methods
  - Crs. 3
- RDG 412 Literacy in the Elementary School
  - Crs. 3
- FA 412 Fine Arts Across the Curriculum
  - Crs. 3
- EDEL 420 Effective Elementary Teaching II
  - Crs. 3
- EDEL 415 Elementary Social Studies Methods
  - Crs. 2
- EDTE 430 Seminar: Leadership & Learning Communities
  - Crs. 1
- EDEL 430 Elementary Student Teaching
  - Crs. 9

### Electives (if necessary to reach 130 credits)

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Last Revised Fall 2014