

CENTRAL CONNECTICUT STATE UNIVERSITY
School of Education and Professional Studies
B.S.ED. (Grades 7 - 12) 120 Credits
EARTH SCIENCES

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)

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

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)

	3	
	3	

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)	

ELECTIVES (if necessary to reach 120 credits)

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Please note: all professional education courses require admission into the professional program and a grade of C or better

EARTH SCIENCES MAJOR (31 credits)

Crs.	Grd.
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Grade of C- or better required

GSCI 121 Dynamic Earth OR GSCI 131 Env. Geosci.	3	
GSCI 125 Dynamic Earth Lab OR GSCI 135 Env. Geosci. Lab	1	
GSCI 141 Earth and Life History	3	
GSCI 145 Earth and Life History Lab	1	
GSCI 129 Introduction to Meteorology	4	
AST 208 Planetary Astronomy	4	
AST 209 Stellar and Galactic Astronomy	4	
GSCI 221 Mineralogy	4	
AST 278 Observational Astronomy (4) OR GSCI 290 Field Methods (2)	2 or 4	
GSCI/AST electives at 300-level or above to reach 31 credits as approved by faculty advisor		

RELATED REQUIREMENTS (35 credits)

Grade of C- or better required

SCIENCE RELATED REQUIREMENTS (19 credits)

CHEM 161 General Chemistry	3	
CHEM 162 General Chemistry Lab	1	
CHEM 201 Foundations of Analytical Chemistry Lab	1	
CHEM 260 Foundations of Inorganic Chemistry	3	
PHYS 121 General Physics I	4	
PHYS 122 General Physics II	4	
SCI 420 The Nature of Science and Technology	3	

ADDITIONAL REQUIREMENTS (16 credits)

Required for the Program & can also fulfill General Education

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	
STAT 104 Elementary Statistics (SK II)	3	
MATH 152 Calculus I (SK II)	4	

PROFESSIONAL EDUCATION (30 credits)

SPED 315 Intro. to Educating Learners with Exceptionalities	3	
EDTE 316 Principles of Learning in Diverse Settings (7-12)	4	
SCI 414 Interdisciplinary Science, Practices, & Pedagogy	3	
EDSC 425 Multicultural, Interdisciplinary Teaching (7-12)	3	
LLA 440 Literacy in the Secondary School	3	
SCI 417 Teaching of Science in the Secondary School	3	
SCI 418 Field Work in Secondary Science Education	1	
SCI 419 Student Teaching Seminar	1	
EDSC 435 Secondary Education Student Teaching	9	