

CENTRAL CONNECTICUT STATE UNIVERSITY
School of Engineering, Sciences and Technology

Earth Science: Earth Science Specialization B.S. (non-teaching)

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

GENERAL EDUCATION (46-47 credits)

STUDY AREAS

Study Area I Arts & Humanities (9 credits)

	Crs.	Grd.
ENG literature	3	
	3	
	3	

Study Area II Social Sciences (9 credits)

	Crs.	Grd.
	3	
	3	
	3	

Study Area III Behavioral Sciences (6 credits)

	Crs.	Grd.
	3	
	3	

Study Area IV Natural Sciences (6 or 7 credits)

	Crs.	Grd.
(double-counted in major)	X	X
(double-counted in major)	X	X

SKILL AREAS

Skill Area I Communication Skills (6 credits)

	Crs.	Grd.
ENG 110 Freshman Composition	3	
	3	

Skill Area II Mathematics Requirement (6 credits)

	Crs.	Grd.
MATH 152 Calculus I	4	
MATH 221 Calculus II	4	

Skill Area III Foreign Language Proficiency Req. (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 244 (required if matriculated with less than 15 credits)	2 or 3	
International Requirement	met	
International Requirement	met	
First Year Experience Requirement	met	

MAJOR (36 Credits)

EARTH SCIENCE: = (20-24 credits)

	Crs.	Grd.
GSCI 121 The Dynamic Earth OR GSCI 131 Environmental Geoscience	3	
GSCI 125 The Dynamic Earth Lab OR GSCI 135 Environmental Geoscience Lab	1	
GSCI 141 Earth and Life History	3	
GSCI 145 Earth and Life History Lab	1	
GSCI 129 Introduction to Meteorology	4	
GSCI 208 Planetary or 209 Stellar and Galactic Astronomy	4	
GSCI 278 Observational Astronomy OR GSCI 290 Field Methods	2-4	
GSCI 360 Research and Report Writing in Earth Sciences	1	
GSCI 460 Senior Project OR GSCI 480 Internship In Earth Science	1-3	

Earth Science Focus Areas (12-16 credits)

Astronomy and Planetary Geology

GSCI 221 Mineralogy	4	
GSCI 322 Petrology	4	
GSCI 330 Astrophysics	3	
GSCI 378 Comparative Planetology	3	
GSCI 424 Geomorphology	4	
GSCI 470 Extrasolar Planets and Astrobiology	3	
GSCI 478 Planetary image Analysis	3	

Environmental Earth Science

GSCI 221 Mineralogy	4	
GSCI 223 Stratigraphy and Sedimentology	4	
GSCI 424 Geomorphology	4	
GSCI 425 Glacial and Quaternary Geology	3	
GSCI 431 Hydrogeology	4	
GSCI 450 Environmental and Engineering Geology	3	
BIO 132 Introduction to Ecology	3	
BIO 434 Ecology of Inland Waters	4	
BIO 438 Aquatic Pollution	4	
GEOG 378 Geographic Information Systems	4	

Related Requirements (16 Credits)

CHEM 161 General Chemistry	3	
CHEM 162 General Chemistry Lab	1	
CHEM 201 Analytical Chemistry Lab	1	
CHEM 260 Foundations of Inorganic Chemistry	3	
PHYS 125 University Physics I	4	
PHYS 126 University Physics II	4	