

Name: _____

Catalog: _____

Curriculum and Recommended Schedule --- B.S. in GEOLOGY

FALL Semester		First Year	SPRING Semester		
_____	GEOL 1200 Physical Geology	3	_____	GEOL 1210 Earth History	3
_____	GEOL 1200L Physical Geology Lab	1	_____	GEOL 1210L Earth History Lab	1
_____	CHEM 1251 General Chemistry I	3	_____	PHYS 1101 Introductory Physics	3
_____	CHEM 1251L General Chemistry I Lab	1	_____	PHYS 1101L Introductory Physics I Lab	1
_____	WRDS 1103 or 1104 Writing or Inquiry	3	_____	1502 Global - Arts Humanities	3
_____	1501 Global - Social Science (Recommend: ESCI 1501)	3	_____	1511 Local - Social Science	3
Fall Semester Total		14	Spring Semester Total		14
Second Year					
_____	ESCI 1101 Earth Sciences-Geography	3	_____	MATH 1242 Calculus II OR STAT 1222	3
_____	ESCI 1101L Earth Sciences-Geography Lab	1	_____	Major Core Elective	3-4
_____	MATH 1241 Calculus I	3	_____	FORL 1202 Foreign Language or Proficiency	3
_____	CHEM 1252 General Chemistry II + Lab OR PHYS 1102 Introductory Physics II + Lab	4	_____	1512 Local - Arts Humanities	3
_____	FORL 1201 Foreign Language or Proficiency	3	_____	General Elective	3
Fall Semester Total		14	Spring Semester Total		15-16
Third Year					
_____	GEOL 3115 Mineralogy	4	_____	GEOL 4100 Ig. and Met. Petrology	4
_____	Major Restricted Elective	3-4	_____	Major Core Elective	3-4
_____	Major Core Elective	3-4	_____	Major Restricted Elective	3-4
_____	General Elective	3	_____	Social Science Elective	3
_____	CTCM 2530 Critical Thinking and Communication	3	_____	General Elective	3
Fall Semester Total		16-18	Spring Semester Total		16-18
Fourth Year					
_____	GEOL 3124 Sedimentology	4	_____	Major Restricted Elective	3-4
_____	GEOL 3130 Structural Geology	4	_____	General Elective	3
_____	Major Core Elective	3-4	_____	General Elective	3
_____	General Elective	3	_____	General Elective	3
_____	General Elective	3	_____	General Elective	3
Fall Semester Total		17-18	Spring Semester Total		15-16
B.S. Geology Requirement			BS Geology Degree total hours		67
General Education Requirement		Red	UNCC Required Degree total hours		120

Elective Options:

Core Electives (Minimum of 12 hours)
ESCI 4210 Soil Science (4)
GEOL 3140 Paleontology (3)
GEOL 3190 Environmental Geology (3)
GEOL 3190 Environmental Geology Lab (1)
GEOL 4105 Geomorphology (4)
GEOL 4110 Stratigraphy (4)
GEOL 4115 Applied Geophysics (4)
GEOL 4125 Field Camp (6)
GEOL 4135 Tectonics (3)
GEOL 4140 Coastal Processes (3)
GEOL 4145 Fund. Hydrogeology (4)
GEOL 4165 Aqueous & Environmental Geochemistry (3)
GEOL 4175 Geochemistry (3)

Note: Only 6 credits 3XXX and 4XXX Major electives can be double counted between GEOL, EVSI, EVST, and GEOG degrees

Restricted Electives (Minimum of 9 hours)
GEOL 3XXX - Geology Electives (3)
GEOL 4XXX - Geology Electives (3)
GEOL 4410 Applied Soil Science (4)
ESCI 3101 - Global Environmental Change (3)
ESCI 3105 - Oceanography (3)
ESCI 3205 - Water Resources (3)
ESCI 4122 - Stat. and Data Analysis in Earth Science (3)
ESCI 4140 - Hydrologic Processes (4)
ESCI 4155 - Fluvial Processes (4)
ESCI 4160 - Contaminant Transport (3)
ESCI 4170 - Fundamentals of Remote Sensing (4)
ESCI 4180 - Digital Image Processing in Remote Sensing (4)
ESCI 4201 - Hydroclimatology (3)
ESCI 4222 - Watershed Science (3)
ESCI 4233 - Geoenvironmental Site Characterization (4)
GEOG 3120 - Fundamentals of GIS (4)
One of the following may be counted as a Restricted Elective for the Geology major:
<ul style="list-style-type: none"> GEOG 4130 - Advanced Geographic Information Systems (4) GEOG 4131 - Environmental Modeling with GIS (4)