

DEGREE PLANNING GUIDE: 2016-17

GEOLOGY – B.A.

First year (<28 credits)	Sophomore (28-59 credits)	Junior (60-91 credits)	Senior (92+ credits)
Semester 1 GEOL 111, 114, or 115 MATH 108 or MATH 113	Semester 1 GEOL 252 (elective option) CHEM 111	Semester 1 GEOL 340 GEOL 310 (elective option) PHYS 111	Semester 1 GEOL 462 (elective option if GEOL 410 not taken)
J-Term 1 GEOL 260	J-Term 2 GEOL 260 (if not already taken)		
Semester 2 GEOL 100-level (if not already taken) GEOL 211 MATH 109 or MATH 113 (if not already taken)	Semester 2 GEOL 320 GEOL 220 (elective option)	Semester 2 GEOL 360 GEOL 211 or GEOL 410 (elective option)	Semester 2 GEOL 320 (if not already taken) GEOL 220 (elective option if not already taken)

Requirements for Degree

Program Core Courses

One of:

GEOL 111 Introductory Physical Geology
 GEOL 114 Science of Natural Disasters
 GEOL 115 Environmental Geology
 GEOL 130 Earth History
 GEOL 162 The Earth's Record of Climate

Plus:

GEOL 211 Earth Materials *or* GEOL 310 Environmental Geochemistry
 GEOL 260 Regional Geology and Field Methods
 GEOL 320 Sedimentology and Stratigraphy
 GEOL 340 Fundamentals of the Lithosphere I
 GEOL 360 Fundamentals of the Lithosphere II

Plus 16 credits from the following (and 4 credits must be at 300-level or higher, and 4 credits must be at the 400-level)

GEOL 130 Earth History (if not chosen above)
 GEOL 162 The Earth's Record of Climate (if not chosen above)
 GEOL 211 Earth Materials (if not chosen above)
 GEOL 220 Oceanography
 GEOL 252 Earth Surface Processes/Geomorphology
 GEOL 310 Environmental Geochemistry (if not chosen above)
 GEOL 410 Hydrogeology
 GEOL 460 Advanced Field Methods
 GEOL 461 Medical Geology
 GEOL 462 The Earth's Record of Climate (unless receiving credit for GEOL 162)
 GEOL 491 Research

Allied Requirements

MATH 108 and 109 Calculus with Review I and II
Or

MATH 113 Calculus I

Plus one of the following sequences:

CHEM 111 and 112 General Chemistry I and II
 PHYS 111 and 112 Intro to Classical Physics I and II
 CHEM 111 and PHYS 111

Special Notes

GEOL 310, 320, 340, 360 and several elective offerings are offered every other year. Students planning a geology degree will want to consult with faculty advisor.

Students wishing to pursue careers in paleontology, geobiology, or geomicrobiology may be able to take

BIOL 207 and BIOL 208 as a substitute for CHEM/PHYS
sequences above with permission of chair.