DEGREE PLANNING GUIDE

Geology BA

Important Note: This is a sample degree plan, faculty advisor will create plan specific to admittance year (even or odd) and program start year (first or second year).

First year (<28 credits)	**Sophomore** (28-59 credits)	**Junior** (60-91 credits)	**Senior** (92+ credits)
Fall **GEOL 111, GEOL 114,** or **GEOL 115**, or **GEOL 162**	Fall **Program Elective Course** J-Term **GEOL 260**	Fall **Program Elective Course** **Allied Elective Course**	Fall **GEOL 340** (offered Fall Even Year)
Spring **GEOL 211** (offered spring only) **Quantitative Analysis Course**	Spring **Program Elective Course** **Allied Elective Course**	Spring **GEOL 320** (offered Spring Even Year)	Spring **GEOL 360** (offered Spring Odd Year) **GEOL 410** (offered Spring Odd Year)

Program Core Courses (28 credits)

GEOL 111 Intro to Physical Geology or **GEOL 114** the Science of Natural Disasters or **GEOL 115** Environmental Geology or **GEOL 162** The Earth's Record of Climate
GEOL 211 Earth Materials or **GEOL 310** Environmental Geochemistry
GEOL 260 Geology in the Field
GEOL 320 Sedimentology and Stratigraphy
GEOL 340 Lithosphere I (Petrology)
GEOL 360 Lithosphere II (Structural Geology)
GEOL 410 Hydrogeology

Quantitative Analysis (4 Credits)

CISC 130 Programming and Problem Solving
STAT 220 Statistics (Excel or R-based lab) ^
MATH 109 or **MATH 113** Calculus

Program Electives (12 credits; 8 credits must be 200-level or higher):

GEOL 130 Earth History
GEOL 161 Medical Geology
GEOL 162 Earth's Record of Climate*
GEOL 211 Earth Materials *^
GEOL 220 Oceanography
GEOL 252 Geomorphology ^
GEOL 310 Environmental Geochemistry*^
GEOL 430 Advanced Earth History
GEOL 460 Advanced Field Methods
GEOL 461 Medical Geology (cannot take 161)
GEOL 462 Earth's Record of Climate (cannot take 162)
GEOL 491 Research
BIOL 471 Evolution
One Course may come from the following list:
ESCI 310 Environmental Problem Solving
GEOG 223 Remote Sensing
GEOG 321 Geographic Information Systems ^

*If not chosen for Program Core Course

Allied Courses (8 credits)

No two courses from same program:
BIOL 102 Conservation Biology
BIOL 209 Biology of Sustainability
CHEM 101 Environmental Chemistry
CHEM 111 General Chemistry ^
CISC 130 Programming and Problem Solving (if not taken as Quantitative Analysis)
ECON 370 Environmental and Natural Resources Economics
ENGR 123 Energy and the Environment
ENVR 212 Society and Sustainability, **ENVR 301** Environmental Ethics, OR **ENVR 351** Environmental Policy
PHYS 101 Physics for Liberal Arts
PHYS 104 Astronomy
PHYS 109 Physics for Life Sciences I
PHYS 211 Classical Physics I
STAT 320 Statistics II ^

^Strongly Recommended for Professional Geologist (PG) state certification.