The Specialized Curriculum in Geology (BS) is designed for students who plan to pursue graduate study in geology or geophysics or who wish to work professionally in the environmental field upon obtaining the bachelor's degree. It consists of geology, geophysics, and environmental geology areas, and offers more training in geology and related science than is required of students who make geology their major in the Sciences and Letters Curriculum. Students must choose one of the following: Geology, Geophysics, or Environmental Geology.

Undergraduate Degree Programs in Geology

For the Degree of Bachelor of Science in Liberal Arts and Sciences

Students select one of the following in consultation with an adviser:

• Major in Geology (Sciences and Letters) (http://catalog.illinois.edu/undergraduate/las/geology-bslas/)
• Major in Geology (Sciences and Letters), Earth and Environmental Sciences Concentration (http://catalog.illinois.edu/undergraduate/las/geology-bslas/earth-environmental-sciences/)
• Major in Geology (Sciences and Letters), Earth Science Teaching Concentration (http://catalog.illinois.edu/undergraduate/las/geology-bslas/earth-science-teaching/)

For the Degree of Bachelor of Science in Geology

Students select one of the following in consultation with an adviser:

• Major in Geology (Specialized Curriculum) (p. 1)
• Major in Geology (Specialized Curriculum), Environmental Geology Concentration (http://catalog.illinois.edu/undergraduate/las/geology-bs/environmental-geology/)
• Major in Geology (Specialized Curriculum), Geophysics Concentration (http://catalog.illinois.edu/undergraduate/las/geology-bs/geophysics/)
PHYS 211  University Physics: Mechanics
PHYS 212  University Physics: Elec & Mag
or
PHYS 101  College Physics: Mech & Heat
PHYS 102  College Physics: E&M & Modern

Additional Technical Requirements  3
Select at least 3 hours from the following:
IB 103  Introduction to Plant Biology
IB 104  Animal Biology
CS 101  Intro Computing: Engrg & Sci
CS 125  Intro to Computer Science
CPSC 440  Applied Statistical Methods I
STAT 400  Statistics and Probability I
MATH 285  Intro Differential Equations
MATH 441  Differential Equations
PHYS 213  Univ Physics: Thermal Physics
PHYS 214  Univ Physics: Quantum Physics

1 Students transferring into the geology concentration from another science or engineering program may substitute up to 8 hours of 300- or 400-level science or engineering credits for 8 hours of 300- or 400-level geology courses with departmental approval.

2 Students who decide to follow the curriculum after first taking GEOL 100 or GEOL 103 should enroll in GEOL 208. GEOL 100 or GEOL 103 will be accepted as a substitute for GEOL 107, but students should be aware that these courses are not intended for science majors.

3 GEOL 417 is a 6-hour summer field course taught off campus.