BS in Geology

The BS degree program, providing comprehensive training in geology and allied natural sciences, prepares graduates for professional work in industry or government, as well as for graduate study in any field of geoscience or environmental sciences. This program prepares students for the examination for the professional geologist license. Students who expect to earn the BS in geology within a minimum amount of time (four years as a full-time student) should have completed geometry, trigonometry, two years of algebra, and chemistry in high school.

Program Requirements

A minimum total of 120 credit hours is required for the BS in geology. In addition to meeting the requirements of the WSU General Education Program (http://catalog.wichita.edu/undergraduate/academicinformation/general-education-program/) and the requirements of Fairmount College of Liberal Arts and Sciences, students must meet the following requirements.

A major with the BS requires a minimum of 43 credit hours in geology, including:

Title	Hours
on requirements ¹	34-35
ct enough courses to reach 120	9-10
petency Areas 1	
General Geology	4
Historical Geology	4
Mineralogy and Optical Mineralogy	4
Petrology and Petrography	3
Sedimentology and Stratigraphy	4
Field Map Methods	3
Structural Geology	3
Biogeology	3
Field Geology	6
oper-division geology electives erest and in consultation with an an additional elective capstone	9
Geohydrology	
Calculus I and Calculus II	10
Elementary Statistics	3
General Chemistry I and General Chemistry II	10
18	10
General College Physics I and General College Physics II	
Physics for Scientists I and University Physics Lab I and Physics for Scientists II	
	ct enough courses to reach 120 spetency Areas General Geology Historical Geology Mineralogy and Optical Mineralogy Petrology and Petrography Sedimentology and Stratigraphy Field Map Methods Structural Geology Biogeology Field Geology Field Geology Geory Field Geology Field Geology Field Geology Field Geology Field Geology Field Geology Geory Geohydrology Calculus I Elementary Statistics General Chemistry I and General Chemistry II and General College Physics I and General College Physics I and General College Physics I and University Physics Lab I

¹ Required major courses may also count towards General Education and/or LAS Competencies. Students will need to select additional electives to reach 120 credit hours required for graduation with assistance from an advisor.

It is recommended that the required supporting sciences courses be taken prior to, or at least concurrently with, the required core courses in geology listed above.

PHYS 313 requires PHYS 315 as corequisite. PHYS 314 requires PHYS 316 as corequisite.

Students interested in pursuing graduate degrees in environmental sciences should also consider taking BIOL 210 and BIOL 418.

Applied Learning

Students in the BS in geology program are required to complete an applied learning or research experience to graduate from this program. The requirement can be met by taking GEOL 640. Successful completion of this course will serve as fulfillment of the university's applied learning/research experience requirement.

Total Credit Hours 120