

GEOLOGY

Have you always had a rock collection? Are interesting landforms your favorite vacation sites? Would you like to help someone locate groundwater or oil-bearing rock formations? If you answered yes to any of these questions, maybe geology is the field for you.

Wichita State University's geology program emphasizes field and laboratory skills in sedimentology/stratigraphy and related fields. Particular attention is directed to solving problems of mineral exploration, mineral-resource evaluation and depletion and the environment.

Through the geology program at WSU, you may earn either the bachelor of science or the bachelor of arts degree. The BS degree provides in-depth training for professional work in industry or government, as well as for graduate study in any field of geoscience or environmental science.

The BA program provides training for students who wish to combine a geology major with teacher preparation, environmental studies, land-use planning, science journalism, environmental law, natural resource management/business, or similar majors. If you expect to achieve either the BS or BA in geology within a minimum period of time, you should complete while in high school

geometry, trigonometry, two years of algebra and one year of chemistry. Physics is also recommended.

Admission

When you choose to study geology, you'll be admitted to the Fairmount College of Liberal Arts and Sciences. You will be assigned a faculty adviser in the geology department who will help you develop your program of study and who will outline specific requirements.

If you are still deciding on a major when you start at Wichita State, the Liberal Arts and Sciences Advising Center can help you explore career and major options.

Related Opportunities

WSU presents a summer field course for advanced students in geology. The base camp is in Beulah, Colorado, on the east flank of the Wet Mountains. The course consists of five weeks in the field, for which students receive six hours of credit.

As a geology major, you may participate in the Geology Club and the American Association of Petroleum Geologists student chapter.

If eligible, you may be selected for the geology honor society, Sigma Gamma Epsilon, and University academic honor

societies such as Omicron Delta Kappa, Phi Kappa Phi and Mortar Board.

Related Programs

If you are interested in studying additional sciences, you have several options at Wichita State: biological sciences, chemistry and physics. You also may consider anthropology.

Geology Faculty

- William Bischoff**,
Dean and Professor
- Collette Burke**,
Associate Professor
- John Gries**,
Associate Professor
- Toni Jackman**,
Instructor
- Salvatore Mazzullo**,
Professor
- William Parcell**,
Department
Chair and Associate
Professor

**GENERAL EDUCATION PROGRAM
REQUIREMENTS**

The General Education Program, an integral component of degree requirements in all Wichita State University undergraduate colleges, comprises approximately one-third of the total credit hours necessary for graduation. The goals of the program include the following:

- **To study and apply basic mathematical principles;**
- **To study and apply principles of written and oral communication;**
- **To study and apply basic library research skills including basic assessment of various kinds of sources;**
- **To study the natural sciences, social and behavioral sciences, and humanities and fine arts;**
- **To study human diversity and its implications for society on a global basis.**

Successful completion of the General Education Program and LAS College requirements supplies the elemental knowledge and skills for life-long learning in an ever-changing, global world.

Detailed outlines of General Education Program requirements are provided in the *University Catalog*, each semester's *Schedule of Courses* and on the Web site: www.wichita.edu/catalog and www.wichita.edu/schedule.

When you enter the university, your academic adviser will assist you in selecting GEP courses appropriate to your choice of major and degree.

For More Information

To receive more information, or to arrange a campus visit, contact:
Office of Admissions
Wichita State University
1845 Fairmount St.
Wichita, Kansas 67260-0124
Telephone (316) 978-3085
Toll-free (800) 362-2594
www.wichita.edu

Program Requirements*	
Requirements for the BA in geology:	
Earth Sciences and the Environment w/lab or General Geology	4
Earth and Space Sciences	3
Historical Geology	4
Mineralogy and Optical Mineralogy	4
Sedimentary Geology	3
Structural Geology	3
One capstone course	3 or 6
Geology electives	6
Required supporting sciences:	
Elementary Statistics	3
Precalculus Mathematics or College Trigonometry	3
General Chemistry	5
Introductory Physics (if no physics taken in high school)	3
Requirements for the BS in geology:	
General Geology	4
Historical Geology	4
Mineralogy and Optical Mineralogy	4
Petrology and Petrography	3
Sedimentary Geology	3
Field Mapping Methods	2
Structural Geology	3
Physical Stratigraphy	3
Paleontology	3
Field Geology	6
Upper-division geology electives	11
Required supporting sciences:	
Calculus I and II	10
Elementary Statistics	3
General and Inorganic Chemistry	10
General College Physics I and II	10
or University Physics I and II	8
* Some of the courses listed in Major Requirements will count toward the LAS General Education Requirements.	

The University reserves the right to revise or change rules, charges, fees, schedules, courses, requirements for degrees, and any other regulations affecting students whenever considered necessary or desirable.

Notice of Nondiscrimination: Wichita State University does not discriminate on the basis of race, religion, color, national origin, gender, age, marital status, sexual orientation, status as a Vietnam-era veteran, or disability. Any person having inquiries concerning this may contact the Office of Equal Employment Opportunity, Wichita State University, 1845 Fairmount St., Wichita, Kansas 67260-0145; telephone (316) 978-3001