

# 3370 GEOLOGY

## Bachelor of Science

NOTE TO STUDENT: A student is expected to be familiar with the degree requirements. The following information has official approval of the Department of Geology & Environmental Science but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. **Students are encouraged to meet with the Geology undergraduate adviser in Crouse Hall 114, (330) 972-7630 during their first semester.**

### FIRST YEAR

#### Fall Semester

	<u>Semester Credit Hours</u>	<u>Prerequisites</u>
3300:111 English Composition I	4	Appropriate Placement by Adviser
3370:101 Introduction to Physical Geology (Lecture & Lab)	4	
3150:151 Principles of Chemistry I (Lect. & Recitation)	3	Placement in 3450:149 or higher or permission
3150:152 Principles of Chemistry I Lab	1	3150:151 (co-req.)
3450:149 Precalculus Math (Note a.)	<u>4</u>	Placement Test
	16	

#### Spring Semester

3300:112 English Composition II	3	3300:111 or equiv.
*3370:102 Introduction: Historical Geology (Lecture & Lab)	4	3370:101
3150:153 Principles of Chemistry II (Lect. & Recitation)	3	3150:151, 152
3450:221 Analytic Geometry-Calculus I (Note a.)	4	Placement Test or 3450:149
7600:105 Introduction to Public Speaking <b>-OR-</b>		
7600:106 Effective Oral Communication	<u>3</u>	
	17	

### SECOND YEAR

#### Fall Semester

*3370:230 Mineral Science (Lecture & Lab)	4	3370:101
3450:222 Analytic Geometry-Calculus II (Note a.)	4	3450:221
Language Requirement (Note b.)	3-4	
3400:210 Humanities in the Western Tradition I	4	32 cr. and 3300:111, 112
Physical Education/Wellness (Note c.)	<u>1-3</u>	
	17-19	

#### Spring Semester

*3370:231 Silicate Mineralogy & Petrology (Lecture & Lab)	4	3370:101; (3370:230 strongly rec.)
3370: Geology Elective (Note d.)	3	
Language Requirement (Note b.)	3-4	
Social Science Requirement (Note c.)	3-4	
Elective <b>-OR-</b>		
Humanities Option (Note c.)	<u>3-4</u>	3400:210
	17-19	

### NOTES:

- a. All Geology majors should take the Math Placement Test. The B.S. requirement is 3450:221 and 222, Analytic Geometry-Calculus I and II. The B.A. requirement is 3450:149, Precalculus.
- b. Completion of the second year of a foreign language is required or a student may take five Sign Language courses instead (7700:101, American Sign Language I; 7700:102, American Sign Language II; 7700:201, American Sign Language III; 7700:202, American Sign Language IV; 7700:222, Survey of Deaf Culture in America).
- c. Please see the General Education Guide for options at <http://www.uakron.edu/colleges/univcoll/guides/>.
- e. Please contact a Department of Geology adviser to discuss alternatives.
  - \* These courses are only offered in the term listed.

**POLICY ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.**

Geology Dept. Undergraduate Adviser – Dr. John Szabo, Crouse Hall 64, (330) 972-7630, e-mail: [jpszabo@uakron.edu](mailto:jpszabo@uakron.edu)  
Visit the Department of Geology & Environmental Science online at <http://www.uakron.edu/geology/>

**IN GENERAL:** The Bachelor of Science or the Bachelor of Arts: The B.S. degree is intended for a student who plans to seek employment as a professional geologist or who plans to enter graduate studies in geology or a related field. The B.A. degree for a student who has strong interest in the geological sciences, and who wishes to take a larger number of electives than is compatible with the B.S program. The B.A. program, because of its minimum requirements, is not designed for a student who intends to seek admission to a graduate program in geology or a related field. The B.A. program, if properly designed, could prepare an individual for some type of employment with environmental companies.

**OPPORTUNITIES:** Professional geologists follow a variety of careers within the general scope of geology. The search for petroleum, for metallic and non-metallic mineral deposits, and for water supplies all come within the domain of the geologist. Many work in environmental areas monitoring and solving potential and real pollution problems. Others work with engineers in evaluating preparation, terrain logistics, and general construction proposals. Petroleum companies, the mining industry, U.S. Geological survey, various state geological surveys, and numerous environmental consulting firms are some of the organizations that employ geologists.

Employment may be anywhere in the world. It may be of office type, all outside work, or a combination of both. It may be practical or research-oriented and it may require either much or little travel.

Salaries compare favorably with other scientists and engineers.

**CAMPUS ORGANIZATIONS:** Interested students should contact the department for information about joining the Geology Club (Faculty adviser: Dr. Verne Friberg, [lfribe@uakron.edu](mailto:lfribe@uakron.edu) ) and the American Association of Petroleum Geologists (Faculty adviser: Dr. Ira Sasowsky, [ids@uakron.edu](mailto:ids@uakron.edu)).

**TRANSFER TO COLLEGE OF ARTS & SCIENCES:** A student should apply to the college upon completion of 30 credits and a 2.0 or better overall GPA (including transfer work). In addition, the student must have achieved a 2.0 in all coursework in the major field (including transfer work). The 30 credits must include the completion of both required English Composition courses and 3 credits of mathematics or statistics which meets the General Education requirement. This transfer process is completed through an appointment with an academic adviser, the Academic Advisement Center, Simmons Hall 205, (330) 972-7430, or Summit College, Polsky 301, (330) 972-7220, depending upon the college in which you reside.

**PLACEMENT:** A student is encouraged to check with his/her major department and with the Center for Career Management, Simmons Hall 301, (330) 972-7747, regarding employment opportunities in the field.

**COLLEGE OF ARTS & SCIENCES:** Degree requirements in Arts & Sciences include the first and second year of a foreign language or American Sign Language (most majors), and 47 credits of 300/400 level courses, not including workshops or courses that meet the Humanities in the Western Tradition or Area Studies and Cultural Diversity requirements.

**MINOR IN GEOLOGY:** To obtain a minor in Geology the following requirements must be met:

- 1) A minimum of 20 credits of departmental courses
- 2) Seventeen (17) of the 20 credits must be from lab courses
- 3) At least six credits must be at the 300/400 level

Contact the Department of Geology & Environmental Science for a minor contract.

### Geology Websites:

For careers in Geoscience visit: <http://www.earthscienceworld.org>

Ask-a-Geologist at <http://walrus.wr.usgs.gov/ask-a-geologist/>

U.S. Geological Survey at <http://www.usgs.gov>

Association of American State Geologists at <http://www.kgs.ukans.edu/AASG/AASG.html>

Link to other geology websites: <http://www.uakron.edu/colleges/artsci/depts/geology/links.php>