

Geology – Earth Science 337001BA

The following information has official approval of the **Department of Geosciences**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

****Students are encouraged to visit the Geosciences Department their freshman year to obtain preliminary information regarding the program requirements and to learn more about on-campus opportunities available to Geology students.****

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year		Fall Semester	Credit Hours	Prerequisites
3370:101		<i>Intro to Physical Geology lecture/lab</i> (Note a)	4	
		<i>English Composition I Requirement</i> (Note h)	3	Appropriate placement by advisor
		<i>Social Sciences Requirement</i> (Note e)	3	
		<i>Speech/Oral Communication Requirement</i>	3	
		Beginning Language I (Note d)	4	
		-OR-	or	
7700:101		American Sign Language I	3	
Total			16-17	

1 st Year		Spring Semester	Credit Hours	Prerequisites
3370:102		Introduction to Historical Geology	4	3370:101
		<i>English Composition II Requirement</i> (Note h)	3	3300:111 or equivalent
		Beginning Language II (Note d)	4	Beginning Language I
		-OR-	or	or
7700:102		American Sign Language II	3	7700:101
3450:149		<i>Pre-Calculus</i> (Note b)	4	Appropriate placement by advisor
Total			14-15	

2 nd Year		Fall Semester	Credit Hours	Prerequisites
3400:210		<i>Humanities in the Western Tradition</i>	4	32 credits & 3300:112 or equivalent
		-OR-		
3400:221		<i>Humanities in the World Since 1300</i>		32 credits & 3300:112 or equivalent
3150:151		<i>Principles of Chemistry I + Recitation</i>	3	Placement in 3450:149 or higher
3150:152		<i>Principles of Chemistry Lab</i>	1	3150:151 corequisite
		Intermediate Language I	3	Beginning Language II
		-OR-		or
7700:201		American Sign Language III		7700:102
		Science Elective (Note c)	4	
		<i>Physical Education/Wellness Requirement</i>	1	
Total			16	

2 nd Year		Spring Semester	Credit Hours	Prerequisites
3370:231		Silicate Mineralogy and Petrology	4	3370:101, prerequisite 3150:151, 3150:152 corequisite
		Science Elective (Note c)	4	
		<i>Area Studies/Cultural Diversity Requirement</i>	2	
		Intermediate Language II	3	Beginning Language II
		-OR-	or	or
7700:202		American Sign Language IV -AND	3	7700:201
7700:222		Survey of Deaf Culture in America	2	Sign Language students only
Total			13-15	

3 rd Year		Fall Semester	Credit Hours	Prerequisites
3370:350		Structural Geology	4	3370:101

	<i>Humanities Requirement</i>	3	
3370:xxx	Geology electives (Note f and g)	3-4	
3370:xxx	Geology electives	3-4	
3370:3xx /4xx	Upper level Geology electives (Note f and g)	3-4	
Total		16-19	

3rd Year Spring Semester

3370:360	Paleobiology	4	3370:101 or 3100:111
	<i>Social Science Requirement</i> (Note e)	3	
3370:3/4 xx	Upper level Geology electives	3-4	
3370:xxx	Geology electives	3-4	
Total		13-15	

3rd Year Summer Semester

3370:453	Geology Field Camp I	3	3370:101 and 3370:102 and permission
3370:454	Geology Field Camp II	3	3370:231, 3370:350, 3370:453, or permission
Total		6	

4th Year Fall Semester

3370:3/4 xx	Upper level Geology electives	3	
	<i>Humanities Requirement</i>	3	
3370:xxx	Geology electives	3-4	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	Electives to Reach 128 (Note f and g)	3	
Total		14-15	

4th Year Spring Semester

	Electives to Reach 128	12	
Total		12	

	Total Credits for Degree	128 min	
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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.

- NOTES:**
- 3370:101; Introductory Physical Geology Strongly Preferred, OR** 3370:100; Earth Science, **OR** 3370:200; Environmental Geology, **OR** (by permission only) 3370:211; Introduction to Environmental Science, **AND** 3370:104; Exercises in Physical Geology.
 - All Geology majors should take the Math Placement Test. The B.A. requirement is 3450:149; Precalculus.
 - B.A. degree requires completion of at least 7 credits from the following and these options can satisfy the upper level requirement for Arts & Sciences as well (300/400 level): 3100:111; Principles of Biology I, 3100:112; Principles of Biology II, 3150:153; Principles of Chemistry II, 3650:291/292; Elementary Classical Physics I and II, 3450:221, 222; Analytical Geometry-Calculus I & II.
 - Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
 - 3350:100; Introduction to Geography and 3240:100; Introduction to Archaeology recommended.
 - A total of 18 departmental (3370) credits are required, eight of which must be at the 300/400 level. Please contact a

Department of Geosciences adviser to discuss alternatives.

- g. **Buchtel College of Arts & Sciences (BCAS)** – requires **47 credits** at the 300/400 level. Thus, you could still need additional credits from **ANY** 300/400 level course in **ANY** department except General Education courses. Please contact an adviser to determine how many additional 300/400 courses you need to complete this requirement.
- h. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.

GEOSCIENCES CONTACT: Ms. Elaine Butcher, 114 Crouse Hall, 330-972-7630, butch@uakron.edu

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, environmental science or engineering. The B.A. degree is 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 has fewer math and science requirements and is not designed for a student who intends to seek admission to a graduate program in geology or seek employment as a professional geologist. The B.A. program is for students who seek employment in a geology or environmental science related field, and education. It also is appropriate for students who plan to enter graduate studies in a non-science field such as law school, geography, planning or public administration.

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. Various state agencies 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, lfribe1@uakron.edu) and the American Association of Petroleum Geologists (Faculty adviser: Dr. Ira Sasowsky, ids@uakron.edu).

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

A student can arrange their inter-college transfer through an appointment with his/her advisor in the Center for Academic Advising & Student Success, Simmons 205, (330) 972-7430, or Center for Academic Advising & Student Success, Simmons 301, (330) 972-5723 or College of Applied Science and Technology, Polsky 301, (330) 972-7220, depending upon the advising office in which they reside.

PLACEMENT: A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts and Sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 47 credits of 300/400 level courses (excluding workshops and General Education courses) consisting of either:

- Upper level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops and General Education courses

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>

(Wilhelm)