Geology

College of Natural Science and Mathematics Department of Geology and Geophysics (907) 474-7565 www.uaf.edu/geology/

B.S. Degree

Minimum Requirements for Degree: 130 credits

Graduates in geology have broad backgrounds in the earth sciences and firm foundations in mathematics, physics and chemistry. There are many concentrations available in the geological sciences, and the suggested curricula are intended to be flexible enough to allow students to pursue their own emphasis in the junior and senior years. The bachelor's degree prepares students for positions with industry or government or for graduate studies.

Major—B.S. Degree

- Complete the general university requirements. (See page 116. As part of the core curriculum requirements, complete MATH 200X, CHEM 105X and 106X.)
- Complete the B.S. degree requirements. (See page 121. As part
 of the B.S. degree, complete: STAT 200X or 300; PHYS 103X and
 104X, or PHYS 211X and 212X.)
- Complete 15 credits of upper-division GEOS courses or upperdivision courses as approved by the undergraduate advisor.*
- - * Student must earn a C grade or better in each GEOS course and in all courses that fulfill requirement 4.
 - ** GEOS 351 is offered at UAF when there is sufficient demand. In years when GEOS 351 is not offered (decision made early in fall semester), students are required to take a 6-credit field geology class at another institution. The geology and geophysics undergraduate advisor will assist students in placement in a field geology class.

Studies in geophysics: Students interested in pursuing a program in geophysics are encouraged to pursue a major in geology which includes GEOS 418 and 416 with a minor in physics. Students should consult with the geology department regarding constructing a plan of study.

Minor

Ι.	Complete the following:	
	GEOS 101X—The Dynamic Earth	4
	Approved GEOS electives	. 12
2.	Minimum credits required	.16



Baccalaureate Core Requirements	NATURAL SCIENCES (8)	
All degrees (e.g. B.A., B.S., etc.) require additional courses.	Complete any two (4-credit) courses:	
Refer to specific degree and program requirements.	ATM 101X(4)	
COMMUNICATION (9)	BIOL 100X(4)	
• •	BIOL 103X(4)	
Complete the following:	BIOL 104X(4)	
ENGL 111X(3)	BIOL 105X(4)	
ENGL 190H may be substituted.	BIOL 106X(4)	
Complete one of the following:	BIOL 111X(4)	
ENGL 211X OR ENGL 213X(3)	BIOL 112X(4)	
Complete one of the following:	CHEM 100X(4) (4) CHEM 103X(4)	
COMM 131X OR COMM 141X(3)	CHEM 104X	
PERSPECTIVES ON THE HUMAN CONDITION (18)	CHEM 104X	
Complete all of the following four courses:	CHEM 105X	
ANTH 100X/SOC 100X(3)	GEOG 205X	
ECON 100X OR PS 100X(3)	GEOS 100X	
HIST 100X(3)	GEOS 101X	
ENGL/FL 200X(3)	GEOS 112X	
Complete one of the following three courses:	GEOS 120X(4)	
ART/MUS/THR 200X, HUM 201X OR ANS 202X	GEOS 125X	
Complete one of the following six courses:	MSL 111X(4)	
BA 323X, COMM 300X, JUST 300X, NRM 303X,	PHYS 102X(4)	
PS 300X OR PHIL 322X(3)	PHYS 103X(4)	
OR complete 12 credits from the above courses PLUS	PHYS 104X(4)	
• two semester-length courses in a single Alaska Native language or other	PHYS 115X(4)	
non-English language OR	PHYS 116X(4)	
• three semester-length courses (9 credits) in American Sign Language	PHYS 175X(4)	
taken at the university level.	PHYS 211X(4)	
MATHEMATICS (3)	PHYS 212X(4)	
	PHYS 213X(4)	
Complete one of the following: MATH 103X, MATH 107X, MATH 161X OR STAT 200X(3-4)	LIBRARY AND INFORMATION RESEARCH (0–1)	
* No credit may be earned for more than one of MATH 107X or 161X.	Successful completion of library skills competency test OR	
	LS 100X or 101X prior to junior standing(0–1)	
OR complete one of the following:* MATH 200X, MATH 201X, MATH 202X,		
MATH 262X OR MATH 272X(4)	UPPER-DIVISION WRITING AND ORAL COMMUNICATION (0)	
*Or any math course having one of these as a prerequisite	Complete the following:	
	Two writing intensive courses designated (W)(0)	
	One oral communication intensive course designated (O)(0)	
	OR two oral communication intensive courses designated (O/2), at the	
	upper-division level (see degree and/or major requirements)(0)	
	TOTAL CREDITS REQUIRED38–39	
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