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 124. As part of the core curriculum requirements, complete MATH F200X, CHEM F105X and F106X.)
- 2. Complete the B.S. degree requirements. (See page 129. As part of the B.S. degree, complete: STAT F200X or F300; PHYS F103X and F104X, or PHYS F211X and F212X.)
- Complete 15 credits of upper-division GEOS courses or upperdivision courses as approved by the undergraduate advisor.*
- ** GEOS F351 is offered at UAF when there is sufficient demand. In years when GEOS F351 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 F418 and F416 with a minor in physics. Students should consult with the geology department regarding constructing a plan of study.

Minor

1.	Complete the following:	
	GEOS F101X—The Dynamic Earth	
	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. Refer to specific degree and program requirements.	Complete any two (4-credit) courses: ATM F101X(4)		
	BIOL F100X		
COMMUNICATION (0)	BIOL F103X		
COMMUNICATION (9)	BIOL F104X		
Complete the following:	BIOL F111X		
ENGL F111X(3)	BIOL F112X		
ENGL F190H may be substituted.	BIOL F115X		
Complete one of the following:	BIOL F116X		
NGL F211X OR ENGL F213X(3)	CHEM F100X		
Complete one of the following:	CHEM F103X	(4)	
COMM F131X OR COMM F141X(3)	CHEM F104X	(4)	
	CHEM F105X	(4)	
PERSPECTIVES ON THE HUMAN CONDITION (18)	CHEM F106X	(4)	
Complete all of the following four courses:	GEOG F205X	(4) _	
NTH F100X/SOC F100X(3)	GEOS F100X	(4) _	
CON F100X OR PS F100X(3)	GEOS F101X	(4) _	
IIST F100X(3)	GEOS F112X	(4) _	
NGL/FL F200X(3)	GEOS F120X	(4) _	
omplete one of the following three courses:	GEOS F125X	(4) _	
RT/MUS/THR F200X, HUM F201X OR ANS F202X(3)	MSL F111X	(4) _	
Complete one of the following six courses:	PHYS F102X	(4) _	
A F323X, COMM F300X, JUST F300X, NRM F303X,	PHYS F103X	(4) _	
S F300X OR PHIL F322X(3)	PHYS F104X	(4) _	
OR complete 12 credits from the above courses PLUS	PHYS F115X	(4) _	
two semester-length courses in a single Alaska Native language or other	PHYS F116X	(4) _	
non-English language OR	PHYS F175X	(4) _	
three semester-length courses (9 credits) in American Sign Language	PHYS F211X	(4) _	
taken at the university level.	PHYS F212X	(4) _	
taken at the university level.	PHYS F213X	(4) _	
MATHEMATICS (3)	LIBBARY AND INFORMATION DECEARCH (A. 1)		
Complete one of the following:	LIBRARY AND INFORMATION RESEARCH (0 – 1)		
MATH F103X, MATH F107X, MATH F161X OR	Successful completion of library skills competency test OR	(0 1)	
TAT F200X(3 – 4)	LS F100X or F101X prior to junior standing	(0 – 1)	
* No credit may be earned for more than one of MATH F107X or F161X.	UPPER-DIVISION WRITING AND ORAL COMMUNICATION (0)		
OR complete one of the following:*	Complete the following:		
MATH F200X, MATH F201X, MATH F202X,	Two writing intensive courses designated (W)	(0)	
MATH F262X OR MATH F272X(4)	One oral communication intensive course designated (O)		
*Or any math course having one of these as a prerequisite.	OR two oral communication intensive courses designated (O/2), at the	
	upper-division level (see degree and/or major requirements)	(0) _	

