## **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 131. As part of the core curriculum requirements, complete MATH F200X, CHEM F105X and F106X.)
- 2. Complete the B.S. degree requirements. (See page 136. 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.
- Note: Students interested in 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	4
	Approved GEOS electives	12
2.	Minimum credits required	16



Baccalaureate Core Requirements	NATURAL SCIENCES (8)		
(Note: all courses for Core must be completed with C- or higher.	Complete any two (4-credit) courses:	(4)	
COMMUNICATION (9)	BIOL F100X		
	BIOL F103X	(4)	
Complete the following:	BIOL F104X		
ENGL F111X(3)	BIOL F111X	(4)	
ENGL F190H may be substituted.	BIOL F112X		
Complete one of the following:	BIOL F115X		
ENGL F211X <b>OR</b> ENGL F213X(3)	BIOL F116X		
Complete one of the following:	CHEM F100X		
COMM F131X <b>OR</b> COMM F141X(3)	CHEM F103X		
	CHEM F104X		
	CHEM F105X		
PERSPECTIVES ON THE HUMAN CONDITION (18)	CHEM F106X		
Complete all of the following four courses:	GEOG F111X		
ANTH F100X/SOC F100X(3)	GEOS F100X		
ECON F100X <b>OR</b> PS F100X(3)	GEOS F101XGEOS F112X		
HIST F100X(3)	GEOS F120X		
ENGL/FL F200X(3)	GEOS F125X		
Complete one of the following three courses:	MSL F111X		
ART/MUS/THR F200X, HUM F201X <b>OR</b> ANS F202X (3)	PHYS F102X.		
Complete one of the following six courses:	PHYS F103X		
BA F323X, COMM F300X, JUST F300X, NRM F303X,	PHYS F104X		
PS F300X <b>OR</b> PHIL F322X(3)	PHYS F115X		
	PHYS F116X		
OR complete 12 credits from the above courses PLUS	PHYS F175X		
two semester-length courses in a single Alaska Native language or	PHYS F211X	(4)	
other non-English language <b>OR</b>	PHYS F212X	(4)	
three semester-length courses (9 credits) in American Sign	PHYS F213X	(4)	
Language taken at the university level.			
MATHEMATICS (2)	LIBRARY AND INFORMATION RESEARCH (C		
MATHEMATICS (3)	Successful completion of library skills competency test <b>OR</b>		
Complete one of the following: MATH F103X, MATH F107X, MATH F161X <b>OR</b>	LS F100X or F101X prior to junior standing	(0 – 1)	
STAT F200X(3 – 4)	UPPER-DIVISION WRITING AND ORAL COM	MMINICATIO	
* No credit may be earned for more than one of MATH F107X or		IIIIOI NICAI IO	
F161X.	Complete the following:	(0)	
OR complete one of the following:*	Two writing intensive courses designated (W) and one oral communication intensive course	(0)	
MATH F200X, MATH F201X, MATH F202X,	designated (O)designated	(0)	
MATH F262X <b>OR</b> MATH F272X(4)(4)	<b>OR</b> two oral communication intensive cours		
*Or any math course having one of these as a prerequisite.	(O/2), at the upper-division level (see degree requirements)	and/or major	
	CORE CREDITS REQUIRED	38 –	
	Minimum credits required for degree		





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