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.)
- 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.)

- 4. Complete 15 credits of upper-division GEOS courses or upper-division 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 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	4
	Approved GEOS electives	
2.	Minimum credits required	.16



All degrees (e.g. B.A., B.S., etc.) require additional courses. Refer to specific degree and program requirements. **Baccalaureate Core Requirements NATURAL SCIENCES (8)** Complete any two (4-credit) courses: ATM F101X(4) **COMMUNICATION (9)** BIOL F100X(4) Complete the following: BIOL F103X(4) ENGL F111X(3) _____ BIOL F104X(4) ENGL F190H may be substituted. BIOL F111X(4) Complete one of the following: BIOL F112X(4) ENGL F211X **OR** ENGL F213X(3) ___ BIOL F115X(4) BIOL F116X(4) Complete one of the following: CHEM F100X.....(4) COMM F131X **OR** COMM F141X(3) CHEM F103X.....(4) CHEM F104X.....(4) PERSPECTIVES ON THE HUMAN CONDITION (18) CHEM F105X.....(4) CHEM F106X.....(4) Complete all of the following four courses: GEOG F111X.....(4) ANTH F100X/SOC F100X(3) _ GEOS F100X(4) ECON F100X **OR** PS F100X.....(3) GEOS F101X(4) HIST F100X....(3) GEOS F112X(4) ENGL/FL F200X(3) __ GEOS F120X(4) Complete one of the following three courses: GEOS F125X(4) ART/MUS/THR F200X, HUM F201X **OR** ANS F202X (3) __ MSL F111X.....(4) PHYS F102X (4) Complete one of the following six courses: BA F323X, COMM F300X, JUST F300X, NRM F303X, PHYS F103X....(4) PHYS F104X.....(4) PS F300X **OR** PHIL F322X(3) _ PHYS F115X.....(4) OR complete 12 credits from the above courses PLUS PHYS F116X.....(4) • two semester-length courses in a single Alaska Native language or PHYS F175X.....(4) other non-English language OR PHYS F211X.....(4) • three semester-length courses (9 credits) in American Sign PHYS F212X....(4) Language taken at the university level. PHYS F213X.....(4) **MATHEMATICS (3)** LIBRARY AND INFORMATION RESEARCH (0 - 1) Successful completion of library skills competency test OR Complete one of the following: LS F100X or F101X prior to junior standing.....(0-1)MATH F103X, MATH F107X, MATH F161X OR STAT F200X(3 – 4) * No credit may be earned for more than one of MATH F107X or UPPER-DIVISION WRITING AND ORAL COMMUNICATION (0) F161X. Complete the following: OR complete one of the following:* Two writing intensive courses designated (W)(0) MATH F200X, MATH F201X, MATH F202X, and one oral communication intensive course MATH F262X **OR** MATH F272X.....(4) _ designated (O) (0) *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) _ CORE CREDITS REQUIRED38 – 39 Minimum credits required for degree120





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