GENERAL SCIENCE

College of Natural Science and Mathematics Department of Physics 907-474-6108 www.uaf.edu/physics/

B.S. Degree

Minimum Requirements for Degree: 130 credits

The B.S. degree program in general science provides a broad background in the natural sciences. The program allows specialization in at least two disciplines within the natural sciences as well as an additional area of associated interest. This degree offers more breadth in the natural sciences than other degree programs and may be classified as an interdisciplinary degree.

Major — B.S. Degree

- 1. Complete the general university requirements (page 132).
- 2. Complete the B.S. degree requirements (page 137).
- 4. Select one of the following by the start of the junior year:****
- a. Two majors.
- b. One major and two minors.

- 6. Complete one of the following*:

- . Minimum credits required130
- Students must earn a C grade (2.0) or better in each course.
- ** A student does not need to take MATH F107X and MATH F108 if the student completes MATH F200X with a C or better. Complete a B.S. degree mathematics elective for 3 credits if MATH F107X and MATH F108 are not taken.
- *** PHYS F211X, F212X and F213X may substitute for PHYS F103X and F104X. CHEM F212 may substitute for CHEM F105X and F106X.
- **** A general science student, after meeting with his/her general science advisor, should contact the head of the major/minor department as early as possible to determine course requirements in that discipline. These courses will be determined by the department head of the discipline and will reflect the student's needs as well as the intent of the general science program.

Requirements for General Science Teachers (grades 7 - 12)

- 1. Complete all the requirements of the general science B.S.
- 2. If the student opts for one major and two minors, all must represent science or mathematics disciplines:
- Note: We strongly recommend that prospective secondary science teachers seek advising from the UAF School of Education early in your undergraduate degree program so that you can be appropriately advised of the state of Alaska requirements for teacher licensure. You will apply for admission to the UAF School of Education's post-baccalaureate teacher preparation program, a one-year intensive program, during your senior year. Above requirements apply to all candidates who apply to the UAF School of Education Spring 2006 or later for licensure in General Science.



Baccalaureate Core Requirements	NATURAL SCIENCES (8)
(Note: all courses for Core must be at C- or higher.)	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)
•	BIOL F112X(4)
Complete one of the following:	BIOL F115X(4)
ENGL F211X OR ENGL F213X(3)	BIOL F116X(4)
Complete one of the following:	CHEM F100X(4)
COMM F131X OR COMM F141X(3)	CHEM F103X(4)
	CHEM F104X(4)
DEDCDECTIVES ON THE HUMAN CONDITION (10)	CHEM F105X(4)
PERSPECTIVES ON THE HUMAN CONDITION (18)	CHEM F106X(4)
Complete all of the following four courses:	
ANTH F100X/SOC F100X(3)	GEOS F100X(4) GEOS F101X(4)
ECON F100X OR PS F100X(3)	GEOS F101X (4) GEOS F112X(4)
HIST F100X(3)	GEOS F112X (4)
ENGL/FL F200X(3)	GEOS F125X
Complete one of the following three courses:	MSL F111X(4)
ART/MUS/THR F200X, HUM F201X OR ANS F202X (3)	PHYS F102X(4)
,	PHYS F103X(4)
Complete one of the following six courses: BA F323X, COMM F300X, JUST F300X, NRM F303X,	PHYS F104X(4)
PS F300X OR PHIL F322X(3)	PHYS F115X(4)
	PHYS F116X(4)
OR complete 12 credits from the above courses PLUS	PHYS F175X(4)
• two semester-length courses in a single Alaska Native language or	PHYS F211X(4)
other non-English language OR	PHYS F212X(4)
• three semester-length courses (9 credits) in American Sign	PHYS F213X(4)
Language taken at the university level.	
	LIBRARY AND INFORMATION RESEARCH (0 – 1)
MATHEMATICS (3)	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)	LIBBER DIVICIONI WIRITING AND ORAL COMMUNICATIO
* No credit may be earned for more than one of MATH F107X or	UPPER-DIVISION WRITING AND ORAL COMMUNICATIO
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 -
	Minimum credits required for degree





