

# ARTS AND SCIENCES

School of Education  
907-474-7341  
[www.uaf.edu/educ/](http://www.uaf.edu/educ/)

## BAS Degree

Minimum Requirements for Degree: 120 credits

The arts and sciences degree program instructs students in the subject areas encompassed in Alaska teacher content and performance standards: English/language arts, mathematics, science, geography, government and citizenship, history, skills for a healthy life, arts, world languages and technology.

The BAS program is a broad-based major, concentrating on key principles and content knowledge in mathematics and science, the social sciences, humanities and fine arts.

Students in the BAS degree program are advised by the School of Education. BAS majors may choose any approved minor. Students who are interested in being teachers are encouraged to choose the education minor.

### Major — BAS Degree

1. Complete the general university requirements. (See page 131. As part of the core curriculum requirements, complete the following: ART/MUS/THR F200X\*, HIST F100X\*, ANTH/SOC F100X\*, ENG/FL F200X\*, MATH F107X\* or MATH F161X\*, COMM F131X\* or COMM F141X\*, and two different science discipline laboratory courses selected from biology\*, chemistry\*, physics\* and geoscience\*. Two years of a non-English language highly recommended.)
2. Complete the following BAS degree major requirements in addition to the core:\*
- a. Complete the following mathematics requirements:  
MATH F205—Mathematics for Elementary School Teachers I.....3  
MATH F206—Mathematics for Elementary School Teachers II .....3
- b. Complete two additional laboratory courses in the two science disciplines not completed for the baccalaureate core.
- c. Complete the following social sciences requirements:  
GEOG F101—Expedition Earth: Introduction to Geography .....3  
HIST F131—History of the U.S. (3)  
or HIST F132—History of the U.S. (3) .....3  
HIST F461W—History of Alaska.....3  
PS F101—Introduction to American Government and Politics .....3
- d. Complete the following literature, grammar and writing requirements:  
ENGL F271—Introduction to Creative Writing — Fiction (3)  
or ENGL F272—Introduction to Creative Writing — Poetry (3)  
or ENGL F313W—Writing Nonfiction Prose (3)  
or ENGL F314W,O/2—Technical Writing (3)  
or JRN F311W—Magazine Article Writing (3) .....3  
ENGL F306—Survey of American Literature: Beginnings to the Civil War (3)  
or ENGL F307—Survey of American Literature: Civil War to the Present (3)  
or ENGL F308—Survey of British Literature: Beowulf to the Romantic Period (3)  
or another literature-focused course (3) .....3  
ENGL F317—Traditional English Grammar .....3

- e. Complete the following psychology and language development requirements:  
LING/ED F100 Language, Education and Linguistics (3)  
or LING F101—Nature of Language (3)  
or LING F303W,O—Language Acquisition (3) .....3  
PSY F240—Lifespan Developmental Psychology (3)  
or PSY/ED F245— Child Development (3).....3
- f. Complete creative expression course or courses from applied courses in music, theatre, photography or art.....3
- g. Complete the following understanding diversity and culture requirements:  
ANTH F242—Native Cultures of Alaska .....3  
Course selected from a list developed by the review committee .....3
- h. Complete the following senior seminar requirements:  
LAS F410W,O/2—Scientific Research .....3  
ED F486O/2—Media Literacy .....3
- i. Complete the following technology requirement:  
ED F237—Technology Tools for Teachers..... 0.5 – 2  
This course is divided into four modules. Students have the option to test out of any of the four modules or enroll in and successfully complete for a passing grade any module that has not been successfully challenged.
- j. Complete the following Praxis test requirement:  
BAS students will be required to have Alaska passing scores on the Praxis I and the Praxis II (test 0014) prior to completing their last semester. Praxis I assesses reading, writing and math; Praxis II “Elementary Content Knowledge” assesses broad knowledge and background in English/language, arts, math, science and social sciences.

3. Complete minor complex\*\* .....15

4. Complete electives..... 0 – 8

5. Minimum credits required .....120

\* Students must earn a C- grade or better in each course.

\*\* Departmental requirements for minors may exceed this 15 credit minimum.

See other program descriptions for specific minor requirements.

Note: For the BAS degree program, at least 39 credits must be taken in upper-division (F300- and F400-level) courses. Courses taken to fulfill the BAS degree can also be counted for content minors or second majors.

# Baccalaureate Core Requirements

## Communication . . . . . 9 Credits

- ENGL F111X—Introduction to Academic Writing.....(3)  
*ENGL F190H may be substituted.*

Complete one of the following:

- ENGL F211X—Academic Writing about Literature.....(3)
- ENGL F213X—Academic Writing about the Social and Natural Sciences.....(3)

Complete one of the following:

- COMM F131X—Fundamentals of Oral Communication: Group Context.....(3)
- COMM F141X—Fundamentals of Oral Communication: Public Context.....(3)

9

## Perspectives on the Human Condition . . . . . 18 Credits

Complete all of the following four courses:

- ANTH F100X/SOC F100X—Individual, Society and Culture.....(3)
- ECON F100X or PS F100X—Political Economy.....(3)
- HIST F100X—Modern World History.....(3)
- ENGL/FL F200X—World Literature.....(3)

12

Complete one of the following three courses:

- ART/MUS/THR F200X—Aesthetic Appreciation: Interrelationship of Art, Drama and Music.....(3)
- HUM F201X—Unity in the Arts.....(3)
- ANS F202X—Aesthetic Appreciation of Alaskan Native Performance.....(3)

3

Complete one of the following six courses:

- BA F323X—Business Ethics.....(3)
- COMM F300X—Communicating Ethics.....(3)
- JUST F300X—Ethics and Justice.....(3)
- NRM F303X—Environmental Ethics and Actions.....(3)
- PS F300X—Ethics and Society.....(3)
- PHIL F322X—Ethics.....(3)

3

Or complete 12 credits from the above courses plus one of the following:

- Two semester-length courses in a single Alaska Native language or other non-English language
- Three semester-length courses (9 credits) in American Sign Language taken at the university level.

6 – 9

## Mathematics . . . . . 3 Credits

Complete one of the following:

- MATH F103X—Concepts and Contemporary Applications of Mathematics.....(3)
  - MATH F107X—Functions for Calculus\*.....(4)
  - MATH F161X—Algebra for Business and Economics\*\*.....(3)
  - STAT F200X—Elementary Probability and Statistics.....(3)
- \* No credit may be earned for more than one of MATH F107X or F161X.

Or complete one of the following\*:

- MATH F200X—Calculus I\*\*.....(4)
- MATH F201X—Calculus II.....(4)
- MATH F202X—Calculus III.....(4)
- MATH F262X—Calculus for Business and Economics.....(4)
- MATH F272X—Calculus for Life Sciences.....(4)

\* Or any math course having one of these as a prerequisite

\*\* No credit may be earned for more than one of Math F200X, F262X or F272.

3 – 4

## Natural Sciences . . . . . 8 Credits

Complete any two (4-credit) courses.

- ATM F101X—Weather and Climate of Alaska.....(4)
- BIOL F100X—Human Biology.....(4)
- BIOL F101X—Biology of Sex.....(4)
- BIOL F103X—Biology and Society.....(4)
- BIOL F104X—Natural History.....(4)
- BIOL F115X—Fundamentals of Biology I.....(4)
- BIOL F116X—Fundamentals of Biology II.....(4)
- BIOL F120X—Introduction to Human Nutrition.....(4)
- BIOL F213X—Human Anatomy and Physiology I.....(4)
- BIOL F214X—Human Anatomy and Physiology II.....(4)
- CHEM F100X—Chemistry in Complex Systems.....(4)
- CHEM F103X—Basic General Chemistry.....(4)
- CHEM F104X—Beginnings in Biochemistry.....(4)
- CHEM F105X—General Chemistry.....(4)
- CHEM F106X—General Chemistry.....(4)
- GEOG F111X—Earth and Environment: Elements of Physical Geography.....(4)
- GEOS F100X—Introduction to Earth Science.....(4)
- GEOS F101X—The Dynamic Earth.....(4)
- GEOS F106X—Life and the Age of Dinosaurs.....(4)
- GEOS F112X—History of Earth and Life.....(4)
- GEOS F120X—Glaciers, Earthquakes and Volcanoes.....(4)
- GEOS F125X—Humans, Earth and Environment.....(4)
- MSL F111X—The Oceans.....(4)
- PHYS F102X—Energy and Society.....(4)
- PHYS F103X—College Physics.....(4)
- PHYS F104X—College Physics.....(4)
- PHYS F115X—Physical Science I.....(4)
- PHYS F175X—Astronomy.....(4)
- PHYS F211X—General Physics.....(4)
- PHYS F212X—General Physics.....(4)
- PHYS F213X—Elementary Modern Physics.....(4)

8

## Library and Information Research . . . . . 0 – 1 Credit

- Successful completion of library skills competency test or LS F100X or LS F101X prior to junior standing

0 – 1

## Upper-Division Writing and Oral Communication

Complete the following at the upper-division level:

- Two writing intensive courses designated (W) and one oral communication intensive course designated (O), or two oral communication intensive courses designated (O/2) (see degree and/or major requirements)

Total credits required 38 – 39

All degrees (e.g. B.A., B.S., etc.) require additional courses.

Refer to specific degree and program requirements.

Students must earn a C- grade or better in each course used toward the baccalaureate core.