

Fisheries

School of Fisheries and Ocean Sciences
Fisheries Program
907-474-7289
www.sfos.uaf.edu/academics/

B.A. Degree

Minimum Requirements for Degree: 126 credits

The B.A. in fisheries offers broad basic education and training, preparing graduates to work in fisheries business, policy, anthropology, rural and community development, and other fields. The program provides a solid foundation for graduate study for students contemplating careers in research, administration, advanced management or teaching. Fisheries students have opportunities to associate with personnel from federal, state, local, tribal and private groups. These organizations often hire students for summer internships. Undergraduate fisheries students are required to complete an internship or research project.

The undergraduate fisheries program is designed as a 2+2 program in which students may complete their first two years at UAF, UAS, or UAA (or other local campus) and their last two years in either Fairbanks or Juneau as a UAF student. Students who are interested in the 2+2 option must contact the UAF fisheries program.

The minor in fisheries will give students who are majoring in other areas (i.e. wildlife biology, natural resources management, business, rural and community development, etc.) a solid introductory background in fisheries.

With a number of subarctic streams and lakes nearby, Fairbanks offers an excellent location for the study of Interior Alaska aquatic habitats. The Juneau Center provides freshwater and seawater wet labs and ready access to marine and freshwater habitats. The Fishery Industrial Technology Center, located in Kodiak, has facilities for work in harvest technology, seafood technology, seafood biochemistry and microbiology.

Major — B.A. Degree

1. Complete the general university requirements (page 124).
 2. Complete the B.A. degree requirements (page 128).
 3. Complete the following:*
- ACCT F261—Accounting Concepts and Uses I.....3
 - ACCT F262—Accounting Concepts and Uses II3
 - AIS F101—Effective Personal Computer Use.....3
 - ANTH F403W/O—Political Anthropology (3)
or ANTH F428—Ecological Anthropology and Regional
Sustainability.....3
 - BA F307—Introductory Human Resources Management3
 - BA F343—Principles in Marketing.....3
 - BA F390—Organizational Theory and Behavior (3)
or BA F330—The Legal Environment of Business (4). 3-4
 - ECON F200—Principles of Economics (4)
or ECON F235—Introduction to Natural Resources (3) .. 3-4
 - ENGL F314 W,O—Technical Writing.....3
 - FISH F101—Introduction to Fisheries.....3
 - FISH F261—Introduction to Fisheries Utilization3
 - FISH F288—Marine and Freshwater Fishes of Alaska.....3
 - FISH F490—Experiential Learning Internship 1
 - MSL F111X—The Oceans4
 - NRM F407—Environmental Law (3)
or PS F447—U.S. Environmental Politics (3)
or HIST F411—Environmental History (3)..... 3
 - RD F300W—Rural Development in a Global Perspective (3)
or RD F350O—Indigenous Knowledge and Community
Research (3)
or RD F430—Indigenous Economic Development and
Entrepreneurship (3)3

- Upper division fisheries elective3
 - 4. Minimum credits required126
- * Student must earn a C grade or better in each course.

Minor

1. Complete the following:
FISH F101—Introduction to Fisheries (3)
or NRM F101—Natural Resources Conservation
and Policy (3)3
FISH F288—Marine and Freshwater Fishes of Alaska.....3
2. Complete at least 6 credits from the following:
FISH F261—Introduction to Fisheries Utilization3
FISH F336—Introduction to Aquaculture.....3
FISH F421—Fish Population Dynamics4
FISH F425—Fish Ecology3
FISH F436—Salmon Culture.....3
FISH F487—Fisheries Management.....3
3. Complete at least 3 credits from one of the following concentrations:
Fisheries Science
BIOL F305—Invertebrate Zoology5
BIOL F310—Animal Physiology3
BIOL F328—Biology of Marine Organisms3
BIOL F441—Animal Behavior3
BIOL F471—Population Ecology3
BIOL F472W—Community Ecology.....3
BIOL F473W—Limnology.....4
BIOL F476—Ecosystem Ecology3
BIOL F483—Stream Ecology.....3
NRM F370—Introduction to Watershed Management3

Fisheries Business Administration and Economics

- ACCT F261—Accounting Concepts and Uses I.....3
- ACCT F262—Accounting Concepts and Uses II3
- BA F151—Introduction to Business4
- BA F307—Introductory Human Resources Management3
- BA F325—Financial Management.....3
- BA F343—Principles of Marketing.....3
- BA F390—Organizational Theory and Management.....3
- ECON F200—Principles of Economics.....3
- ECON F235—Introduction to Natural Resources Economics ..3
- ECON F335—Intermediate Natural Resource Economics.....3
- ECON F434—Environmental Economics3

Fisheries Policy and Rural Development

- ANTH F242—Native Cultures of Alaska.....3
- ANTH F403W/O—Political Anthropology.....3
- ANTH F428—Ecological Anthropology and Regional
Sustainability3
- HIST F411—Environmental History3
- NRM F407—Environmental Law3
- NRM F430—Resource Management Planning3
- PS F101—Introduction to American Government and Politics 3
- PS F447—U.S. Environmental Politics.....3
- RD F200—Community Development in the North3
- RD F245—Fisheries Development in Rural Alaska.....3
- RD F256—Co-Management of Renewable Resources3
- RD F265—Perspectives on Subsistence in Alaska.....3
- RD F350O—Indigenous Knowledge and Community
Research.....3
- 4. Minimum credits required 15

Baccalaureate Core Requirements

All degrees (e.g. B.A., B.S., etc.) require additional courses.
Refer to specific degree and program requirements.

COMMUNICATION (9)

Complete the following:

ENGL F111X (3) _____
ENGL F190H may be substituted.

Complete one of the following:

ENGL F211X OR ENGL F213X (3) _____

Complete one of the following:

COMM F131X OR COMM F141X (3) _____

PERSPECTIVES ON THE HUMAN CONDITION (18)

Complete all of the following four courses:

ANTH F100X/SOC F100X (3) _____
ECON F100X OR PS F100X (3) _____
HIST F100X (3) _____
ENGL/FL F200X (3) _____

Complete one of the following three courses:

ART/MUS/THR F200X, HUM F201X OR ANS F202X (3) _____

Complete one of the following six courses:

BA F323X, COMM F300X, JUST F300X, NRM F303X,
PS F300X OR PHIL F322X (3) _____

OR complete 12 credits from the above courses PLUS

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

MATHEMATICS (3)

Complete one of the following:

MATH F103X, MATH F107X, MATH F161X OR
STAT F200X (3 – 4) _____
* No credit may be earned for more than one of MATH F107X or F161X.

OR complete one of the following*:

MATH F200X, MATH F201X, MATH F202X,
MATH F262X OR MATH F272X (4) _____

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

NATURAL SCIENCES (8)

Complete any two (4-credit) courses:

ATM F101X (4) _____
BIOL F100X (4) _____
BIOL F103X (4) _____
BIOL F104X (4) _____
BIOL F111X (4) _____
BIOL F112X (4) _____
BIOL F115X (4) _____
BIOL F116X (4) _____
CHEM F100X (4) _____
CHEM F103X (4) _____
CHEM F104X (4) _____
CHEM F105X (4) _____
CHEM F106X (4) _____
GEOG F205X (4) _____
GEOS F100X (4) _____
GEOS F101X (4) _____
GEOS F112X (4) _____
GEOS F120X (4) _____
GEOS F125X (4) _____
MSL F111X (4) _____
PHYS F102X (4) _____
PHYS F103X (4) _____
PHYS F104X (4) _____
PHYS F115X (4) _____
PHYS F116X (4) _____
PHYS F175X (4) _____
PHYS F211X (4) _____
PHYS F212X (4) _____
PHYS F213X (4) _____

LIBRARY AND INFORMATION RESEARCH (0 – 1)

Successful completion of library skills competency test OR
LS F100X or F101X prior to junior standing (0 – 1) _____

UPPER-DIVISION WRITING AND ORAL COMMUNICATION (0)

Complete the following:

Two writing intensive courses designated (W) (0) _____
One oral communication intensive course designated (O) (0) _____

OR two oral communication intensive courses designated (O/2), at the upper-division level (see degree and/or major requirements) (0) _____

TOTAL CREDITS REQUIRED 38 – 39