

Food Science and Nutrition

School of Fisheries and Ocean Sciences
 School of Natural Resources and Agricultural Sciences
 907-474-7824
 907-474-7083
 www.sfos.uaf.edu
 www.uaf.edu/snras/

Food science is the study of the chemical, biological and engineering aspects of food and its components. Knowledge from diverse scientific disciplines is integrated to develop new methods for processing and fabricating foods while assuring safe, nutritious and acceptable products.

From a chemical, microbiological and physical standpoint, food is the most complex of all natural products. Food science is a high-technology field; the results of research and development reach people and animals daily as safe, nutritious and acceptable foods.

This program emphasizes the food uses of fish, game and other traditional foods. It provides students majoring in a natural science, engineering, northern agriculture or management with a strong emphasis area in food science and nutrition. The food industry is the largest employer in the United States, and job openings are available for people trained as food technologists.

The following courses are part of the food science and nutrition program:

FISH F261—Introduction to Seafood Science and Nutrition	3
FISH/FSN F460—Food Science and Technology Internship	3 – 6
NRM F321—Applied Animal Nutrition	3

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

