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.

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) ___

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/FIL 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 F232X, 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

MATHMATICS (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) ___
CHEM F108X ........................................................................... (4) ___
CHEM F112X ........................................................................... (4) ___
CHEM F120X ........................................................................... (4) ___
CHEM F125X ........................................................................... (4) ___
MSL F111X ............................................................................ (4) ___
PHYS F102X ........................................................................... (4) ___
PHYS F103X ........................................................................... (4) ___
PHYS F104X ........................................................................... (4) ___
PHYS F113X ........................................................................... (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

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