

Food Science and Nutrition

School of Fisheries and Ocean Sciences
 School of Natural Resources and Agricultural Sciences
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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 261-F—Introduction to Seafood Science and Nutrition | 3 |
| FISH/FSN 460-K—Food Science and Technology Internship..... | 3–6 |
| NRM 321—Applied Animal Nutrition | 3 |

Note: Page numbers refer to the UAF 2006-2007 academic catalog, which can be viewed online at www.uaf.edu/catalog/.

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 111X (3) _____
ENGL 190H may be substituted.

Complete one of the following:

ENGL 211X OR ENGL 213X (3) _____

Complete one of the following:

COMM 131X OR COMM 141X..... (3) _____

PERSPECTIVES ON THE HUMAN CONDITION (18)

Complete all of the following four courses:

ANTH 100X/SOC 100X..... (3) _____
 ECON 100X OR PS 100X (3) _____
 HIST 100X..... (3) _____
 ENGL/FL 200X..... (3) _____

Complete one of the following three courses:

ART/MUS/THR 200X, HUM 201X OR ANS 202X (3) _____

Complete one of the following six courses:

BA 323X, COMM 300X, JUST 300X, NRM 303X,
 PS 300X OR PHIL 322X..... (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 107X, MATH 161X OR MATH 103X..... (3-4) _____
** No credit may be earned for more than one of MATH 107X or 161X.*

OR complete one of the following*:

MATH 200X, MATH 201X, MATH 202X,
 MATH 262X OR MATH 272X..... (4) _____

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

NATURAL SCIENCES (8)

Complete any two (4-credit) courses:

| | | |
|----------------|-----|-------|
| ATM 101X | (4) | _____ |
| BIOL 100X..... | (4) | _____ |
| BIOL 103X..... | (4) | _____ |
| BIOL 104X..... | (4) | _____ |
| BIOL 105X..... | (4) | _____ |
| BIOL 106X..... | (4) | _____ |
| BIOL 111X..... | (4) | _____ |
| BIOL 112X..... | (4) | _____ |
| CHEM 100X..... | (4) | _____ |
| CHEM 103X..... | (4) | _____ |
| CHEM 104X..... | (4) | _____ |
| CHEM 105X..... | (4) | _____ |
| CHEM 106X..... | (4) | _____ |
| GEOG 205X..... | (4) | _____ |
| GEOS 100X..... | (4) | _____ |
| GEOS 101X..... | (4) | _____ |
| GEOS 112X..... | (4) | _____ |
| GEOS 120X..... | (4) | _____ |
| GEOS 125X..... | (4) | _____ |
| MSL 111X..... | (4) | _____ |
| PHYS 102X..... | (4) | _____ |
| PHYS 103X..... | (4) | _____ |
| PHYS 104X..... | (4) | _____ |
| PHYS 115X..... | (4) | _____ |
| PHYS 116X..... | (4) | _____ |
| PHYS 175X..... | (4) | _____ |
| PHYS 211X..... | (4) | _____ |
| PHYS 212X..... | (4) | _____ |
| PHYS 213X..... | (4) | _____ |

LIBRARY AND INFORMATION RESEARCH (0-1)

Successful completion of library skills competency test OR

LS 100X or 101X 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

