Food Science and Nutrition
School of Fisheries and Ocean Sciences
School of Natural Resources and Agricultural Sciences
(907) 474-7824
(907) 474-7083
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 261-F—Introduction to Seafood Science and Nutrition
- FISH/FSN 460-K—Food Science and Technology Internship
- NRM 321—Applied Animal Nutrition
- NRM 420—Animal Nutrition and Metabolism

Note: Page numbers refer to the UAF 2004-2005 academic catalog, which can be viewed online at www.uaf.edu/catalog/.

General University Requirements

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

**COMMUNICATIONS (9)**

Complete the following:

- ENGL 111X ..........................................................(3) ___
- ENGL 211X OR 213X ............................................(3) ___
- COMM 131X OR 141X ............................................ (3) ___

**LIBRARY & INFORMATION SKILLS (0–1)**

Complete the following:

- LS 100X OR 101X ...................................................(0-1) ___
- OR Successful completion of library skills competency test.

**PERSPECTIVES ON THE HUMAN CONDITION (18)**

Complete either the following six courses:

- ANTH 100X OR SOC 100X ...........................................(3) ___
- ECON/PS 100X .....................................................(3) ___
- HIST 100X ..........................................................(3) ___
- ART/MUS/THR 200X, HUM 201X OR ANS 202X .............(3) ___
- ENGL/FL 200X ......................................................(3) ___
- PHIL 322X, NRM 303X, COMM 300X, PS 300X OR JUST 300X .........(3) ___
- OR Complete 12 cr from the above list PLUS two semester-length courses in a single non-English or Alaska Native language at the university level OR three semester-length courses (9 cr) in American Sign Language.

**MATHMATICS (3–4)**

Complete 3-4 credits from the following:

- MATH 107X ............................................................(3) ___
- OR MATH 131X (except for BBA) ............................(3) ___
- OR MATH 161X ......................................................(3) ___
- MATH 200X ............................................................(4) ___
- MATH 201X ............................................................(4) ___
- MATH 202X ............................................................(4) ___
- MATH 262X ............................................................(4) ___
- MATH 272X ............................................................(3) ___

**NATURAL SCIENCES (8)**

Complete 8 credits from the following:

- ATM 101X ..............................................................(4) ___
- BIOL 103X OR 104X ..............................................(4) ___
- BIOL 103X–106X ....................................................(8) ___
- BIOL 111X–112X ....................................................(8) ___
- CHEM 100X ............................................................(4) ___
- CHEM 103X–104X ..................................................(8) ___
- CHEM 105X–106X ..................................................(8) ___
- GEOG 205X ............................................................(4) ___
- GEOS 100X OR 120X OR 125X ....................... (4) ___
- GEOS 101X–112X ..................................................(8) ___
- MSL 111X ..............................................................(4) ___
- PHYS 102X OR 175X ..............................................(4) ___
- PHYS 103X–104X ..................................................(8) ___
- PHYS 211X–212X ................................................... (8) ___
- PHYS 211X–213X ................................................... (8) ___
- PHYS 212X–213X ................................................... (8) ___

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