

# 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/](http://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 .....	3
FISH/FSN 460-K—Food Science and Technology Internship.....	3-6
NRM 321—Applied Animal Nutrition .....	3
NRM 420—Animal Nutrition and Metabolism.....	3

**Note: Page numbers refer to the UAF 2004-2005 academic catalog, which can be viewed online at [www.uaf.edu/catalog/](http://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)	_____
<b>OR</b> 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.

### MATHEMATICS (3-4)

**Complete 3-4 credits from the following:**

MATH 107X .....	(3)	_____
<b>OR</b> MATH 131X (except for BBA) .....	(3)	_____
<b>OR</b> MATH 161X .....	(3)	_____
MATH 200X .....	(4)	_____
MATH 201X .....	(4)	_____
MATH 202X .....	(4)	_____
MATH 262X .....	(4)	_____
MATH 272X .....	(3)	_____

**NOTE:** Additional 3 cr of math needed for degree requirements.

### NATURAL SCIENCES (8)

**Complete 8 credits from the following:**

ATM 101X .....	(4)	_____
BIOL 103X OR 104X .....	(4)	_____
BIOL 105X-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)	_____