

College of Natural Sciences, Forestry & Agriculture

Contact

Sue Sullivan, Undergraduate Program

Coordinator

Dept. of Food Science & Human Nutrition

5735 Hitchner Hall, Room 103

Orono, ME 04469-5735

207-581-3130

FAX: 207-581-1636

E-mail: susan.sullivan@umit.maine.edu

Web site: <http://www.fsn.umaine.edu/>

Admission Requirements

(In years as established by the college)

A high school diploma with the following specific courses:

- 4 English
- 2 Algebra I & II
- 1 Geometry
- 1 Pre-Calculus (*preferred*)
- 2 Lab Science (*biology & chemistry*)
- 2 History/Social Studies
- Academic electives (*to equal at least 17 total credits*)

To ensure current mathematical skills, students should take a mathematics course during their senior year of high school.

Major Requirements

- 9 credits Food Science & Human Nutrition
- 3 credits Psychology
- 9 credits Communications (*English, writing, speech*)
- 18 credits Sciences & Mathematics
- 57 credits Food Management Concentration
- 71 credits Food Science Concentration
- 62 credits Human Nutrition & Dietetics Concentration
- 72 credits Nutrition Science Concentration

120 Minimum total credit hours required for graduation

Program Description

The **Food Science** concentration is designed to enable students to prepare for careers in the rapidly growing food industry or to pursue advanced degrees. The combination of food science with the biological and physical sciences provides the background necessary for solving problems associated with food safety, food processing, and new product development. The Food Science concentration is approved by the Institute of Food Technologists as meeting the guidelines for a B.S. degree in Food Science, which allows students to apply for national scholarships funded by multi-national food companies. The department has specialized food analysis and sensory evaluation facilities that are unique in the region.

The **Human Nutrition & Dietetics** concentration is designed to give professional preparation to students who want to become dietitians, nutrition scientists, nutrition educators or public health nutritionists in commercial, industrial, and public or private food and health care establishments. Graduates are eligible to apply for an American Dietetic Association accredited dietetic internship leading to state licensure and national registration. The department of Food Science and Human Nutrition offers a dietetic internship in conjunction with the Master of Science degree.

The **Food Management** concentration provides an unique combination of food and business to prepare students for a wide variety of career opportunities. This concentration provides flexibility in planning a curriculum to suit an individual's needs. Upon completion of basic requirements, students can choose professional electives that best prepare them for future employment.

The **Nutrition Science** concentration is for students wishing to apply to post-baccalaureate programs in the health professions in order to become physicians, optometrists, dentists, chiropractors, podiatrists, physician assistants, and related health professionals. The curriculum meets the course requirements for the minor in Pre-Medical Studies and contains a strong foundation in basic science with an additional emphasis on the applied science of human nutrition.

Career Opportunities

Graduates in the Food Science concentration find employment in the food industry in technical product development and food processing; supervisory positions in quality control, process control, distribution; or sales positions. Government employment is available with the U.S. Department of Agriculture as food inspectors or graders, as well as with the Food and Drug Administration as research technicians.

Graduates in the Human Nutrition & Dietetics concentration are prepared for jobs in health, wellness and community programs; hospital dietetics—administrative, clinical and community; private practice; home health care; government; food service; food industry; health oriented organizations—American Heart Association, American Cancer Society; and research labs.

Graduates in the Food Management concentration find employment in restaurants, hospitals and school food service departments, as well as airline catering. Those with additional courses in food science are sought by companies who produce foods, food ingredients and processing equipment. Other opportunities exist in marketing and business management.

General Education Requirements*

ENG 101	College Composition
18 credits	Human Values & Social Context area (<i>a single course may satisfy more than 1 sub-category, but a total of 18 credits must be completed</i>) Western Cultural Tradition Social Context & Institutions Cultural Diversity & International Perspectives Population & the Environment Artistic & Creative Expression
2 courses	Designated Writing Intensive (<i>1 must be within the major</i>)
2 courses	Biological or Physical Sciences (<i>must include at least 1 laboratory course</i>)
1 course	Ethics (<i>emphasis on discussion of ethical issues in 1 course or series of courses</i>)
6 credits	Mathematics (<i>including statistics & some computer science, only 3 credits in computer science can count toward this requirement</i>)
1 capstone	An approved experience in which the student integrates the components of his or her undergraduate training to perform at a professional level. The capstone experience is usually completed during the senior year in consultation with the student's academic advisor.

**All UMaine students must complete these general education requirements, which are counted in the total credit hours required for graduation and may be contained in the Major Requirements previously listed.*

Specialized Information

The University of Maine offers minors in Food Science and Human Nutrition. The minors are open to all undergraduate, degree-seeking MAINE students and each requires the completion of 18 credit hours of Food Science and Human Nutrition courses.

Graduate Study

Graduate level studies are available at the University of Maine. A Master of Science in Food Science and Human Nutrition is offered as well as a Doctor of Philosophy degree in Food and Nutrition Sciences. A master of science degree combined with a Dietetic Internship is also available.

Academic Programs 2008-2009

Please refer to the web site (<http://factsheets.umaine.edu/>) for the most updated version of the fact sheets.
This fact sheet is intended for informational purposes only and is subject to change.