



Twin Cities Campus

Food Science Minor

Food Science & Nutrition

College of Food, Agricultural and Natural Resource Sciences

Link to a [list of faculty](#) for this program.

Contact Information:

Department of Food Science and Nutrition, 225 Food Science and Nutrition Building, 1334 Eckles Avenue, Saint Paul, MN 55108 (612-624-6753; fax: 612-625-5272)

Email: fsgrad@umn.edu

Website: <http://fscn.cfans.umn.edu/education/foodsciencegraduate/index.htm>

- Program Type: Graduate minor related to major
- Requirements for this program are current for Fall 2018
- Length of program in credits (Masters): 10
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the [General Information](#) section of the catalog website for requirements that apply to all major fields.

Food science applies scientific principles to the manufacture, distribution, marketing, and consumer aspects of food. Food scientists apply the basic principles and techniques of many disciplines, including chemistry, physics, microbiology, and nutrition, to food processing and preservation, new product development, and food marketing. Food scientists are concerned with the theoretical and practical aspects of the food chain, from the production of raw materials to the use of food products by consumers. Students may emphasize the chemistry, engineering, microbiology, nutrition, or technology of food products.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission

For an online application or for more information about graduate education admissions, see the [General Information](#) section of the catalog website.

Program Requirements

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

Program Sub-plans

Students are required to complete one of the following sub-plans.

Students may not complete the program with more than one sub-plan.

Masters

Students wishing to complete the food science minor must consult with the food science director of graduate studies to establish specific requirements and goals for an acceptable minor program of study.

Required Courses

[FSCN 4112](#) - Food Chemistry and Functional Foods (3.0 cr)

[FSCN 4121](#) - Food Microbiology (3.0 cr)

[FSCN 4332](#) *{Inactive}* (3.0 cr)

Doctoral

Required Courses

Students wishing to complete the food science minor must consult with the food science director of graduate studies to establish specific requirements and goals for an acceptable minor program of study.

In addition to the 3 courses listed below, students pursuing the doctoral minor must take at least 3 5xxx- or 8xxx-level FSCN credits.



FSCN 4112 - Food Chemistry and Functional Foods (3.0 cr)

FSCN 4121 - Food Microbiology (3.0 cr)

FSCN 4332 *{Inactive}* (3.0 cr)

FSCN 5xxx

FSCN 8xxx