

FOOD SCIENCE AND HUMAN NUTRITION

<http://www.fshn.illinois.edu>

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Major: Food Science and Human Nutrition
Degrees Offered: M.S., Ph.D.
Graduate Concentrations: Food Science (all degrees), Human Nutrition (all degrees), Professional Science Master's (<http://catalog.illinois.edu/graduate/graduate-majors/fshn/ms-conc-pro-science-masters>) (M.S. only)

Off-Campus Program: Food Science and Human Nutrition
Degree Offered: M.S.

Joint Degree Program: Doctor of Philosophy in Food Science and Human Nutrition and Master of Public Health (<http://catalog.illinois.edu/graduate/graduate-majors/community-health/master-pub-health>)
Degrees Offered: Ph.D. and M.P.H.

Graduate Degree Programs

The Department of Food Science and Human Nutrition offers traditional graduate programs leading to the Master of Science and Doctor of Philosophy degrees with either a food science or human nutrition concentration. In addition to receiving training in the general field of food science or human nutrition, students have the opportunity to conduct research in the following areas of specialization:

- *Food processing, engineering, and biotechnology
- *Food ingredients, properties, and interactions
- *Food microstructures, micro-carriers, and nanotechnology
- *Food chemistry
- *Food microbiology and biomass conversion
- *Food safety and security
- *Sensory sciences
- *Dietary quality and food and nutrition patterns for optimal health
- *Nutrition and disease interactions, including cancer, metabolic disorders, and gastrointestinal health
- *Nutrition across the life span
- *Biochemical and molecular nutrition
- *Clinical nutrition
- *Community nutrition

For additional information go to fshn.illinois.edu/graduate (<http://fshn.illinois.edu/graduate>).

The department also offers a Professional Science Master's (PSM) concentration. The PSM involves rigorous scientific training in the area of food science and/or human nutrition; additionally, instruction is provided in applied business knowledge and skills. This program is designed for those who seek careers in a science-based setting with significant managerial and leadership responsibilities. For additional information go to psm.illinois.edu/prospectivestudents/programs/foodscience.htm (<http://psm.illinois.edu/prospectivestudents/programs/foodscience.htm>).

Admission

In addition to meeting the Graduate College admission requirements, a student planning to pursue a graduate degree in the department should have a baccalaureate degree in a recognized field of biological, physical, agricultural, or engineering science. Background deficiencies may be removed with graduate credit courses designed for this purpose. Graduate Record Examination (GRE) scores are required of all applicants, and those whose native language is not English are required to submit the results of the TOEFL or IELTS as evidence of English proficiency. Minimum TOEFL and IELTS scores can be found at grad.illinois.edu/admissions/instructions/04c (<http://www.grad.illinois.edu/admissions/instructions/04c>). Students can be admitted to start in fall, spring, or summer semesters except for the PSM concentration, which admits fall semester only. For information on the role faculty have in the admissions process go to fshn.illinois.edu/graduate/applying (<http://www.fshn.illinois.edu/graduate/applying>).

Internship in Dietetics

The Department of Food Science and Human Nutrition offers a dietetic internship for master's and doctoral students specializing in human nutrition. Completion of the degree and the internship qualifies the student to take the Academy of Nutrition and Dietetics registration examination administered by the Commission on Dietetic Registration. For information on our dietetic internship program please contact Ms. Jessica Madson (jamadson@illinois.edu).

Off-Campus Program

A non-thesis Master of Science in Food Science program is offered via live, synchronous online sessions using distance education technology. The program ensures the same degree of excellence, and courses are instructed by the same faculty, as the on-campus non-thesis program. Courses are typically offered in the evening. For requirements and additional information, please contact Dr. Dawn Bohn at dbrehart@illinois.edu.

Graduate Teaching Experience

Teaching is neither a Graduate College nor a FSHN requirement. A limited number of teaching assistantships are available to FSHN graduate students. Students are selected to be Graduate Teaching Assistants by the Department Head in consultation with the course instructor.

Financial Aid

Illinois PSM students may not hold assistantships or other tuition and fee waiver-generating appointments; statutory waivers and tuition scholarships are accepted. Financial aid for non-PSM graduate students is available in the form of fellowships, teaching and research assistantships, and tuition and partial fee waivers. Qualified candidates

are considered for financial support upon application. Additional information on financial aid for graduate students can be found at fshn.illinois.edu/graduate/financial-assistance (<http://fshn.illinois.edu/graduate/financial-assistance>).

- Master of Science in Food Science and Human Nutrition, Food Science Concentration (<http://catalog.illinois.edu/graduate/graduate-majors/fshn/ms-conc-food-science>)
- Master of Science in Food Science and Human Nutrition, Human Nutrition Concentration (<http://catalog.illinois.edu/graduate/graduate-majors/fshn/ms-conc-human-nutrition>)
- Master of Science in Food Science and Human Nutrition, Professional Science Master's Concentration (<http://catalog.illinois.edu/graduate/graduate-majors/fshn/ms-conc-pro-science-masters>)
- Doctor of Philosophy in Food Science and Human Nutrition, Food Science Concentration (<http://catalog.illinois.edu/graduate/graduate-majors/fshn/dr-philo-conc-food-science>)
- Doctor of Philosophy in Food Science and Human Nutrition, Human Nutrition Concentration (<http://catalog.illinois.edu/graduate/graduate-majors/fshn/dr-philo-human-nutrition>)
- Master of Public Health and Ph.D. in Food Science & Human Nutrition, Food Science Concentration (<http://catalog.illinois.edu/graduate/graduate-majors/fshn/joint-degree-conc-food-science>)
- Master of Public Health and Ph.D. in Food Science & Human Nutrition, Human Nutrition Concentration (<http://catalog.illinois.edu/graduate/graduate-majors/fshn/joint-degree-conc-human-nutrition>)

Master of Science in Food Science and Human Nutrition, no concentration, Online

Code	Title	Hours
FSHN 414	Food Chemistry	3
FSHN 461	Food Processing I	4
FSHN 471	Food & Industrial Microbiology	3
Electives from departmental list (http://fshn.illinois.edu/online/course-offerings)		22
Total Hours		32

Other Requirements¹

Other requirements may overlap

Minimum Hours Required Within the Unit: 8

Minimum 500-level Hours Required Overall: 12

Additional courses may be required beyond the minimums listed above.

Final Exam Required: Yes

Minimum GPA: 3.0

¹ For additional details and requirements refer to the department's *graduate handbook* (<http://fshn.illinois.edu/graduate/student-handbook>) and the *Graduate College Handbook* (<http://www.grad.illinois.edu/gradhandbook>).