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.

Medical Scholars Program: Doctor of Philosophy (Ph.D.) in Food Science and Human Nutrition and Doctor of Medicine (M.D.) through the Medical Scholars Program (http://www.med.illinois.edu/mdphd)

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 and food engineering
- food packaging
- food chemistry
- food biochemistry
- food microbiology
- food safety
- biotechnology
- human nutrition through the life cycle
- nutritional aspects of exercise
- nutrient metabolism
- nutrition and disease interactions
- nutrient composition of foods
- sensory and instrumental evaluation of food quality
- community nutrition
- clinical 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. 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 Master of Science in Food Science and Human Nutrition degree program is offered online in live, synchronous sessions using distance education technology. Courses are typically offered in the evening or on Saturdays. Most students in this program choose the non-thesis option. For requirements and additional information, please contact Dr. Dawn Bohn at dbrehart@illinois.edu.

Medical Scholars Program
The Medical Scholars Program permits highly qualified students to integrate the study of medicine with study for a graduate degree in a second discipline, including Food Science and Human Nutrition. Students may apply to the Medical Scholars Program prior to beginning graduate school or while in the graduate program. Applicants to the Medical Scholars Program must meet the admissions standards for and be accepted into both the doctoral graduate program and the College of Medicine. Students in the dual degree program must meet the specific requirements for both the medical and graduate degrees. On average, students take eight years to complete both degrees. Further information on this program is available by contacting the Medical Scholars Program, 125 Medical Sciences Building, (217) 333-8146 or at www.med.illinois.edu/msp (http://www.med.illinois.edu/msp).
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

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>FSHN 414</td>
<td>Food Chemistry</td>
<td>3</td>
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<tr>
<td>FSHN 461</td>
<td>Food Processing I</td>
<td>4</td>
</tr>
<tr>
<td>FSHN 471</td>
<td>Food &amp; Industrial Microbiology</td>
<td>3</td>
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<td>Electives from departmental list (<a href="http://fshn.illinois.edu/online/course-offerings">http://fshn.illinois.edu/online/course-offerings</a>)</td>
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<td></td>
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<tr>
<td><strong>Total Hours</strong></td>
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<td><strong>32</strong></td>
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Other Requirements

Other requirements may overlap

Minimum Hours Required Within the Unit: 8

Minimum 500-level Hours Required: 12

Overall

Additional courses may be required beyond the minimums listed above.

Information listed in this catalog is current as of 03/2016

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).