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).

**Online 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

• Master of Science in Food Science and Human Nutrition
  -- Food Science Concentration, Human Nutrition Concentration

• 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
  (http://catalog.illinois.edu/graduate/graduate-majors/fshn/phd)
  -- Food Science Concentration, Human Nutrition Concentration

The M.P.H. can be earned jointly with the Ph.D. in Food Science & Human Nutrition (with either the Food Science concentration or the Human Nutrition concentration). In the joint program, up to 12 hours of coursework may be applied to both degrees, and the degrees are conferred simultaneously at the completion of the program.

• Master of Public Health and Ph.D. in Food Science & Human Nutrition
  (http://catalog.illinois.edu/graduate/graduate-majors/fshn/joint-degree)
  -- Food Science Concentration, Human Nutrition Concentration

### Food Science and Human Nutrition, MS – Online

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<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></td>
<td>Electives from departmental list</td>
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<td></td>
<td>(<a href="http://fshn.illinois.edu/online/course-offerings">http://fshn.illinois.edu/online/course-offerings</a>)</td>
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<td></td>
<td>Total Hours</td>
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#### Other Requirements

<table>
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<tr>
<th>Requirement</th>
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<tr>
<td>Minimum Hours Required Within the 8</td>
<td>Unit:</td>
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<tr>
<td>Minimum 500-level Hours Required Overall</td>
<td>12</td>
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<tr>
<td>Additional courses may be required</td>
<td>beyond the minimums listed above.</td>
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<tr>
<td>Final Exam Required</td>
<td>Yes</td>
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<tr>
<td>Minimum GPA:</td>
<td>3.0</td>
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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).