FOOD SCIENCE & HUMAN NUTRITION: CLINICAL AND COMMUNITY NUTRITION, MS

for the Master of Science in Food Science and Human Nutrition, Clinical and Community Nutrition Concentration

The Clinical and Community Nutrition concentration can be completed as an on-campus program or an online program.

Two non-thesis Master of Science programs are available through the Department of Food Science & Human Nutrition. These programs ensure the same degree of excellence, and courses are instructed by the same faculty, as the on-campus non-thesis program.

For requirements and additional information on the MS Online Clinical & Community Nutrition program, please contact Jennifer Burton (jlkaczm2@illinois.edu).

Research Areas *for On Campus Clinical and Community Nutrition, thesis track*
In addition to receiving training in the general field of food science or human nutrition, on campus thesis track 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

See our website for additional information. (https://fshn.illinois.edu/academics/graduate-degrees/clinical-community-nutrition-ms/)

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.

Click here to review all Food Science and Human Nutrition Admission requirements (https://fshn.illinois.edu/future-students/admissions/graduate-admissions/)

International Applicants

Please visit the Illinois Graduate College resources for further admission requirements.

Admission requirements by country (https://grad.illinois.edu/admissions/countries/)

Applicants whose native language is not English (https://grad.illinois.edu/admissions/instructions/04c/)

The Clinical Community and Nutrition, Food Science, and Human Nutrition MS are STEM-designated program.

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).

Graduate Teaching Experience *for On Campus Clinical and Community Nutrition, thesis track*
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
Financial aid for thesis track 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.

Non-thesis track students are not eligible for fellowships, teaching, or research assistantships.

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This degree program can be completed with or without a thesis.

Requirement	Description
Minimum Hours Required for an MS degree	32
Minimum 500-level Hours Required Overall	12
Maximum 6 credit hours of FSHN 599 applied toward degree requirements	Thesis only
Additional courses may be required beyond the concentration minimum per Advisory Committee recommendation	
Oral Final Exam	Non-Thesis Only
Final Exam/Thesis Defense Required	Thesis Only

Thesis Deposit Required	Thesis Only
Minimum GPA:	3.0

Code	Title	Hours
Thesis Option (on campus program)		
Concentration in Clinical and Community Nutrition [1,2]		
24 hours minimum must be letter-graded coursework out of the 32 total hours required		
Required Courses:		**18**
FSHN 599	Thesis Research (maximum 6 hours counted toward degree)	6
FSHN 510	Topics in Nutrition Research (Science Translation)	2
FSHN 521	Molecular Basis of Metabolic Syndrome and Weight Management (prereq FSHN 420) [3]	2
FSHN 595	Advanced Topics in Food Science and Human Nutrition (Advanced Diabetes Managment) [3]	3
FSHN 595	Advanced Topics in Food Science and Human Nutrition (Nutritional Epidemiology Journal Club)	1
FSHN 597	Graduate Seminar (or equivalent) [4]	0
or NUTR 500	Nutritional Sciences Seminar	
Choose one of the following statistics courses [5]		4
FSHN 440	Applied Statistical Methods I	
CHLH 572		
PATH 517	Principle/Method Epidemiology	
Elective Courses:		**14**
FSHN 417	Neuroscience of Eating & Drinking	4
FSHN 421	Pediatric Clinical Nutrition	3
FSHN 422	Introduction to Personalized Nutrition	3
FSHN 424	Biopsychology of Ingestive Behavior	3
FSHN 429	Nutrition Assessment & Therapy	3
FSHN 453	Nutrition for Performance	4
FSHN 459	Nutrition Focused Physical Assessment	2
FSHN 465	Principles of Food Technology	3
FSHN 480	Basic Toxicology	3
FSHN 499	Cur Topics in FS & Human Nutr (Nexus of Food)	3
FSHN 510	Topics in Nutrition Research	3
FSHN 522	Dietary Prevention of Cardiovascular and Other Chronic Diseases	1
FSHN 527	Advanced Vitamins and Minerals: Regulations of Metabolism	3
FSHN 580	Ethics in Research, IRB and IACUC	3
FSHN 590 & FSHN 591	Dietetic Internship I and Dietetic Internship II [6,7]	10
FSHN 595	Advanced Topics in Food Science and Human Nutrition	1 to 4
CHLH 409		
CHLH 415		
CHLH 421		
CHLH 448		
CHLH 470		
CHLH 540		
CHLH 572		4
CHLH 573		
CHLH 575		
CHLH 579		
Total Minimum Hours		**32**

Code	Title	Hours
Non-thesis Option (On campus or Online)		
Concentration in Clinical and Community Nutrition [1,2]		
24 hours minimum must be letter-graded coursework out of the 32 total hours required		
Required Courses:		**12**
FSHN 510	Topics in Nutrition Research (Science Translation)	2
FSHN 521	Molecular Basis of Metabolic Syndrome and Weight Management (prereq FSHN 420) [3]	2
FSHN 595	Advanced Topics in Food Science and Human Nutrition (Advanced Diabetes Managment) [3]	3
FSHN 595	Advanced Topics in Food Science and Human Nutrition (Nutritional Epidemiology Journal Club)	1
FSHN 597	Graduate Seminar (or equivalent) [4]	0
or NUTR 500	Nutritional Sciences Seminar	
Choose one of the following statistics courses [5]		4
FSHN 440	Applied Statistical Methods I	
CHLH 572		
PATH 517	Principle/Method Epidemiology	
Elective Courses:		**20**
FSHN 417	Neuroscience of Eating & Drinking	4
FSHN 421	Pediatric Clinical Nutrition	3
FSHN 422	Introduction to Personalized Nutrition	3
FSHN 424	Biopsychology of Ingestive Behavior	3
FSHN 429	Nutrition Assessment & Therapy	3
FSHN 453	Nutrition for Performance	4
FSHN 459	Nutrition Focused Physical Assessment	2
FSHN 465	Principles of Food Technology	3
FSHN 480	Basic Toxicology	3
FSHN 499	Cur Topics in FS & Human Nutr (Nexus of Food)	3
FSHN 510	Topics in Nutrition Research	3
FSHN 522	Dietary Prevention of Cardiovascular and Other Chronic Diseases	1
FSHN 527	Advanced Vitamins and Minerals: Regulations of Metabolism	3
FSHN 580	Ethics in Research, IRB and IACUC	3
FSHN 590 & FSHN 591	Dietetic Internship I and Dietetic Internship II [6,7]	10
FSHN 595	Advanced Topics in Food Science and Human Nutrition	1 to 4
CHLH 409		

CHLH 415	
CHLH 421	
CHLH 448	
CHLH 470	
CHLH 540	
CHLH 572	4
CHLH 573	
CHLH 575	
CHLH 579	
Total Minimum Hours	**32**

[1] Students can take up to 12 credit hours as a non-degree student and have these credits transferred towards their MS degree requirements if they receive a grade of a B or higher.

[2] The degree requires at least 12 hours of 500- level course work, and at least 8 of these 12 hours must be in the major field for graduation. Students are encouraged to take new courses, rather than retake required courses they have already taken. If you have already taken a required course at the University of Illinois, it is highly recommended that you do not retake it. No petition is required. If you have taken a very similar course at another university, you are strongly encouraged to petition for acceptance of that course in lieu of the required course. Courses should be selected to expand and strengthen your knowledge in core and related disciplines, and/or to increase your research capabilities. Retaking a course does not meet that objective. For additional advice on this topic, contact your advisor.

[3] A course in Diet and Disease or Medical Nutrition Therapy (FSHN 420) is a required pre-requisite before taking FSHN 521 Metabolic Syndrome and Weight Management and FSHN 595 Advanced Diabetes Management.

[4] Students are required to enroll in another seminar course if they have a conflict that precludes their enrollment in FSHN 597 or NUTR 500. The seminar course may be offered by another department. 12 hours of documented continuing education units from webinars and other forms of continuing education in clinical and community nutrition in one semester may count as one semester of FSHN 597, for additional advice, contact your advisor.

[5] May take 400, 500 level courses not listed here including CHLH, HDFS, KIN and MCB or in other departments, for additional advice, contact your advisor.

[6] To apply for a Dietetic Internship (FSHN 590 and FSHN 591), a verification statement from an approved/accredited Didactic Program in Dietetics is required.

[7] A maximum of 8 internship credit hours can be used toward the 32 credit hour requirement.

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Graduate Degree Programs in Food Science & Human Nutrition

- **Graduate Majors:**
  - Food Science & Human Nutrition, MS (http://catalog.illinois.edu/graduate/aces/food-science-human-nutrition-ms/)
    - concentrations:
      - Clinical & Community Nutrition (http://catalog.illinois.edu/graduate/aces/food-science-human-nutrition-ms/clinical-community-nutrition/)
      - Food Science (http://catalog.illinois.edu/graduate/aces/food-science-human-nutrition-ms/food-science/)
      - Human Nutrition (http://catalog.illinois.edu/graduate/aces/food-science-human-nutrition-ms/human-nutrition/)
      - Food Science & Human Nutrition, MS - Professional Science Master's (http://catalog.illinois.edu/graduate/aces/food-science-human-nutrition-ms/professional-science-masters/)
  - Food Science & Human Nutrition, PhD (http://catalog.illinois.edu/graduate/aces/food-science-human-nutrition-phd/)
    - concentrations:
      - Food Science (http://catalog.illinois.edu/graduate/aces/food-science-human-nutrition-phd/food-science/)
      - Human Nutrition (http://catalog.illinois.edu/graduate/aces/food-science-human-nutrition-phd/human-nutrition/)
- **Joint Degree Program**:
  - Food Science & Human Nutrition, PhD and Master of Public Health, MPH (http://catalog.illinois.edu/graduate/aces_ahs/joint-degree/food-science-human-nutrition-phd-public-health-mph/)

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Department of Food Science and Human Nutrition
Department Head: Nicki Engeseth
Associate Head of Graduate Programs: Michael Miller (mille216@illinois.edu)
Director of Online Master's Program in Clinical and Community Nutrition: Jennifer Burton (jlkaczm2@illinois.edu)
Department website (https://fshn.illinois.edu)
Graduate Program Overview (https://fshn.illinois.edu/graduate/program-overview/)
Faculty Directory (https://fshn.illinois.edu/directory/faculty/)
260 Bevier Hall, 905 South Goodwin Avenue, Urbana, IL 61801
(217) 244-4498
Food Science and Human Nutrition email (http://catalog.illinois.edu/graduate/aces/food-science-human-nutrition-ms/clinical-community-nutrition/mailtoFSHNGradAdmissions@illinois.edu)

College of Agricultural, Consumer & Environmental Sciences
College of Agricultural, Consumer & Environmental Sciences website (http://catalog.illinois.edu/schools/aces/)

Admissions
Food Science & Human Nutrition Graduate Admissions (https://fshn.illinois.edu/graduate/apply/)
Graduate College Admissions & Requirements (https://grad.illinois.edu/admissions/apply/)