

Appendix 6

Course Requirements for M.S. and Ph.D. Degrees in FSHN

Concentration in Human Nutrition (26-27 hours minimum)^{1, 2, 3, 4}

Required courses (17-19 hours):

- MCB 450 or higher (3 H) - Biochemistry
- FSHN 420 (3 H) - Nutritional Aspects of Disease
- FSHN 426 (3 H) - Biochemical Aspects of Nutrition I (M.S. students),
or FSHN 511 (4 H) - Regulation of Metabolism (Ph.D. students)
- FSHN 427 (3 H) - Biochemical Aspects of Nutrition II
- FSHN 465 (3 H) - Principles of Food Technology
- FSHN 593 (2 H) - Seminar in Foods and Nutrition
- FSHN 597 or NUTR 500 (required every semester for 0 H; 1 H when defending dissertation) - Graduate Seminar or Nutritional Sciences Seminar, respectively⁵

Electives [to meet 26-27 hours minimum, of which at least 3 (thesis M.S.), 6 (non-thesis M.S.), or 6 (Ph.D.) hours need to be graded courses at the 500-level]^{6, 7}

FSHN 421 (2 H) - Pediatric Clinical Nutrition
FSHN 428 (3 H) - Community Nutrition
FSHN 429 (3 H) - Nutrition Assessment and Therapy
FSHN 440 (4 H) - Applied Statistical Methods I
FSHN 480 (3 H) - Basic Toxicology
FSHN 510 (up to 4 H) - Topics in Nutrition Research
FSHN 520 (up to 6 H) - Advanced Clinical Nutrition
FSHN 590 (5H) - Dietetic Internship I*
FSHN 592 (up to 2 H) - Graduate Internship Experience
FSHN 595 (3 H) - Biophysics of Ingestive Behavior
FSHN 598 or NUTR 593 - Advanced Special Problems or Individual Topics in Nutrition, respectively⁸
NUTR 511 (4 H) - Regulation of Metabolism
NUTR 550 (2 H) - Grantsmanship and Ethics
NUTR 590 (up to 2 H) - Disciplinary Seminar
ANSC 421 (3 H) - Minerals and Vitamins
ANSC 520 (3 H) - Protein and Energy Nutrition
ANSC 524 (2 H) - Non-ruminant Nutrition Concepts

¹Undergraduate training must include statistics (ACE 261, CPSC 241, ECON 202, MATH 161, PSYC 235, SOC 280, or STAT 100), nutrition (equivalent to FSHN 220), and systemic physiology (equivalent to MCB 246). These undergraduate courses are not required for admission, but must be completed early in the graduate program and do not count toward concentration requirements. Both M.S. and Ph.D. degrees require at least 12 hours of 500-level course work (including thesis research), and at least 8 of these 12 hours must be in the major field for graduation.

²Additional courses may be required beyond the concentration minimum, per Advisory Committee recommendations, depending upon student/advisor learning objectives. A student whose prior education includes course work with identical or similar content to those specified above will be guided by their advisor and Advisory Committee regarding the selection of additional course work needed to meet the minimum hours of the HN concentration.

³Students 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 and faculty advisory committee.

⁴Students enrolled in the Graduate Dietetic Internship may count up to 5 hours of FSHN 590 or FSHN 591 towards 500-level course requirements.

⁵Students 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.

⁶Course selection is flexible beyond this list if decided in consultation with advisor/advisory committee.

⁷Non-thesis M.S. students must complete the concentration requirements, including at least 6 hours of 500-level courses, and enroll in other courses to total at least 32 hours.

⁸Up to 2 hours for thesis degrees; up to 6 hour for non-thesis M.S. degree.

The Graduate College requires at least 32 hours for an M.S. degree and 96 hours for a Ph.D. degree. Beyond concentration requirements, thesis research (FSHN 599) and non-concentration 400- and 500-level course work are used to meet the balance of hours required for graduate degree.

*Restricted to dietetics internship students only. To apply for Dietetic Internship, a verification statement from an approved/accredited Didactic Program in Dietetics is required.

Course Requirements for M.S. and Ph.D. Degrees in FSHN

Non-Thesis M.S. Degree in FSHN with Human Nutrition focus (24 hours minimum of course work are required out of 32 hours of degree requirement)^{1,2}

Required courses: 18 hours; all courses are offered at least once every year

- MCB 450 (3 H) - Introductory Biochemistry or equivalent
- FSHN 465 (3 H) - Principles of Food Technology
- FSHN 440 (4 H) - Applied Statistical Methods I or equivalent³
- FSHN 527 (3 H) - Advanced Vitamins and Minerals (prerequisite: FSHN 427 or equivalent)
- FSHN 521 (2 H) - Metabolic Syndrome and Weight Management (prerequisite: FSHN 420 or equivalent)
- FSHN 522 (1 H) - Essential Fats and Cholesterol (prerequisite: FSHN 420 or equivalent)
- FSHN 597 or NUTR 500 (required every semester for 0 H) - Seminar in Food Science or Nutritional Sciences Seminar, respectively⁴
- FSHN 593 (2 H) - Seminar in Foods and Nutrition

Elective courses: 6 hours minimum to meet 24 hours minimum course work; 4 hours minimum to meet 22 hours minimum course work for students admitted to Dietetics Internship Program⁵

FSHN 421 (2 H) - Pediatric Clinical Nutrition
FSHN 428 (3 H) - Community Nutrition
FSHN 429 (3 H) - Nutrition Assessment and Therapy
FSHN 453 (4 H) - Nutrition for Performance
FSHN 480 (3 H) - Basic Toxicology
FSHN 510 (1 H) - Topics in Nutrition Research (may take multiple modules)
FSHN/NUTR 511 (4 H) - Regulation of Metabolism (prerequisite: FSHN 426 and MCB 450 or equivalent)
FSHN 520 (2 H) - Advanced Clinical Nutrition (may take multiple modules)
FSHN 526/ANSC 520 (3 H) - Protein and Energy Nutrition (prerequisite: FSHN 426 or equivalent)
FSHN 595 (1-3 H) - Advanced Topics in Nutrition (may take multiple modules)
ANSC 524 (2 H) - Non-Ruminant Nutrition Concepts

Internship: up to 8 hours (10 hours for dietetics) of internship credits may be used to meet 32 hours minimum for non-thesis MS

FSHN 590/591 (10 H) - Dietetics Internship I/II⁶
FSHN 592 (up to 8 H) - Graduate Internship Experience
FSHN 598 or NUTR 593 - (up to 8 H) Advanced Special Problems or Individual Topics in Nutrition, respectively

¹Undergraduate training must include statistics (equivalent to STAT 100), nutrition (equivalent to FSHN 220), and systemic physiology (equivalent to MCB 244 or 246). These undergraduate courses are not required for admission, but must be completed early in the graduate program and do not count toward concentration requirements. The degree requires at least 12 hours of 500-level course work (including internship), and at least 8 of these 12 hours must be in the major field for graduation.

²Students 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.

³Equivalent courses include: CHLH 421, EPSY 480, PATH 517, VCM 572, HDFS 594

⁴Students 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.

⁵Course selection in consultation with advisor. May take 400, 500 level courses not listed here including CHLH, HDFS, KIN and MCB.

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