

Master of Science in Nutritional Sciences
Oklahoma State University



The Plan of Study (POS) for a master's degree student is individually planned to develop academic excellence specific to the student's career goals. The selection and organization of courses are made in consultation with the adviser and the student's advisory committee. Within the MS in Nutritional Sciences there are two options: M.S. NSCI Dietetics Research and M.S. NSCI Nutrition, as detailed below.

MS NSCI Dietetics Research

This option is designed for students who aim to earn a M.S. degree and complete the accredited Dietetic Internship program. Students may choose between a thesis or non-thesis plan.

- 1) The *thesis* plan requires a minimum of 36 credit hours that includes 28 core credit hours and 8 elective credit hours in an area of specialization. All credit hours must be completed in courses numbered 5000 and above.
- 2) The *non-thesis* plan requires a minimum of 36 credit hours that includes 25 core credit hours and 11 elective credit hours in an area of specialization. All credit hours must be completed in courses numbered 5000 and above.

Both the thesis and non-thesis plans include the dietetic internship practicum courses, as indicated below.

MS NSCI Nutrition

This option is designed for students who aim to earn a M.S. degree in Nutrition. Students may choose between a thesis or non-thesis plan.

- 1) The *thesis* plan requires a minimum of 30 credit hours that includes 19 core credit hours and 11 elective credit hours in an area of specialization. All credit hours must be completed in courses numbered 5000 and above.
- 2) The *non-thesis* plan requires a minimum of 34 credit hours that includes 16 core credit hours and 18 elective credit hours in an area of specialization. All credit hours must be completed in courses numbered 5000 and above.

NSCI 5412, NSCI 5422 and NSCI 5432 are supervised practice experiences associated with the dietetic internship and are not required for the MS NSCI Nutrition degree option.

Core Requirements

- NSCI 5000 Research in Nutritional Sciences (thesis plan-6 credits) or
NSCI 5843 Non-thesis Graduate Capstone Course
- NSCI 5123 Research Methods in Nutritional Sciences
- NSCI 5033 Macronutrients in Human Nutrition
- NSCI 5043 Micronutrients in Human Nutrition
- NSCI 5960 Seminar in Nutritional Sciences (1 hr credit; max 2)
- STAT 5013 Statistics for Experimenters I or
REMS 5953 Statistical Methods in Education
- NSCI 5412 Dietetic Internship Management Practicum (Dietetics Research option)
- NSCI 5422 Dietetic Internship Clinical Practicum (Dietetics Research option)
- NSCI 5432 Dietetic Internship Community (Dietetics Research option)
- NSCI 5643 Advanced Medical Nutrition Therapy (Dietetics Research option)

Electives for Area of Specialization

- NSCI 5023 Advanced Nutrition in the Pathophysiology of Chronic Disease
- NSCI 5133 Advanced Nutrition for Exercise and Sport
- NSCI 5363 Maternal and Childhood Nutrition
- NSCI 5313 Dietary and Herbal Supplements
- NSCI 5443 Nutrigenomics and Nutrigenetics
- NSCI 5543 Obesity Prevention Across the Life Span
- NSCI 5553 Global Nutrition and Food Security
- NSCI 5563 Nutritional Assessment
- NSCI 5613 Advanced Nutrition Education and Counseling
- NSCI 5643 Advanced Medical Nutrition Therapy
- NSCI 5713 Advanced Community Nutrition
- NSCI 5743 Advanced Laboratory Techniques in Nutrition
- NSCI 5870 Problems in Nutritional Sciences
- NSCI 5913 Nutritional Epidemiology
- NSCI 6033 Phytochemicals in Reduction of Chronic Disease
- BIOC 5753 Biochemical Principles
- BIOC 6723 Signal Transduction
- BIOC 5102 Molecular Genetics
- BIOC 5112 Articulation of Research Logic
- BIOC 5824 Biochemical Laboratory Methods
- BIOL 5215 Mammalian Physiology
- BIOL 5283 Endocrinology
- CPSY 5173 Gerontological Counseling
- CPSY 5473 Basic Counseling Skills
- CPSY 5503 Multicultural Counseling
- HCA 5043 Organizational Leadership and Development in Health Care
- HCA 5103 Introduction to Global Health
- HHP 5593 Human Electrocardiographic Interpretation
- HHP 5613 Cardiac Rehabilitation
- HHP 5853 Clinical Exercise Testing and Prescription
- HHP 5873 Human Bioenergetics
- HLTH 5113 Psychological Aspects of Health
- HLTH 5323 General Epidemiology
- HLTH 5453 Cultural Issues in Health
- HLTH 5683 Health Behavior Theory and Practice for Public Health
- HLTH 5973 Designing Public Health Programs
- HLTH 5983 Implementation and Evaluation of Public Health Programs
- REMS 6003 Analyses of Variance
- SCFD 5913 Introduction to Qualitative Inquiry
- STAT 5023 Statistics for Experimenters II
- STAT 5043 Sample Survey Design
- STAT 5083 Statistics for Biomedical Researchers
- STAT 5303 Experimental Designs
- VBSC 6120 Advanced Physiology of Selected Systems

NOTE. NSCI 5303, 5333 and 5353 are levelling courses and may not be used on a plan of study.