

NUTRITIONAL SCIENCES, PHD

Requirements for Students Matriculating in or before Academic Year

2024-2025. Learn more about Graduate College Academic Regulation 7.0 (<http://catalog.okstate.edu/graduate-college/#70>).

Total Hours: 60 (Beyond the Master's Degree)

Code	Title	Hours
Degree Program Requirements		
<i>Nutritional Sciences</i>		
Required Core Courses		18-30
NSCI 5033	Macronutrients in Human Nutrition	
NSCI 5043	Micronutrients in Human Nutrition	
NSCI 6960	Seminar: Emerging Topics in Nutrition (Taken twice before graduation.)	
Select one of the following:		
NSCI 6451	Advanced Grant Writing in Nutritional Sciences	
NSCI 5103	Grant Writing for the Professional	
GRAD 5891	Special Topics in Grantmanship	
AGED 5203	Grant Seeking	
Or equivalent		
Suggested courses to complete required core: (p. 1)		
<i>Human Sciences</i>		
Required Core Courses		3
EDHS 6993	Graduate Seminar in Education and Human Sciences	
Research Support Courses		
Required Core Courses		18-30
Select 3 hours from the following:		
NSCI 5123	Research Approaches and Translation in Nutritional Sciences	
Or equivalent		
Select 3 hours from the following		
STAT 5023	Statistics for Experimenters II	
STAT 5083	Statistics for Biomedical Researchers	
REMS 6003	Analyses of Variance	
Or equivalent		
The remaining 12-24 credits of coursework should consist of courses in intermediate and advanced statistics, advanced research methodology and advanced research methods:		
Select from Electives to complete coursework (courses from this list used for Nutritional Sciences core electives may not be selected): (p. 1)		
Dissertation		
Required Core Requirement		15-30
NSCI 6000	Doctoral Dissertation	
Total Hours		60

Suggested Courses and/or Electives

Code	Title	Hours
NSCI 5023	Advanced Nutrition in the Pathophysiology of Chronic Disease	3

NSCI 5133	Advanced Nutrition for Exercise and Sport	3
NSCI 5363	Maternal and Child Nutrition	3
NSCI 5373	Childhood Nutrition	3
NSCI 5393	Nutrition and Aging	3
NSCI 5553	Global Nutrition and Food Security	3
NSCI 5563	Nutritional Assessment	3
NSCI 5613	Nutrition Education and Behavior Change	3
NSCI 5643	Advanced Medical Nutrition Therapy	3
NSCI 5713	Public Health Nutrition and Food Policy	3
NSCI 5743	Advanced Laboratory Techniques in Nutritional Sciences	3
NSCI 5870	Problems in Nutritional Science	1-4
NSCI 6033	Functional Foods and Phytochemicals	3
NSCI 6870	Independent Study in Nutritional Sciences	1-3
BIOC 4113	Molecular Biology	3
BIOC 5102	Molecular Genetics	2
BIOC 5824	Biochemical Laboratory Methods	4
BIOC 6763	Nucleic Acids and Protein Synthesis	3
BIOC 6773	Protein Structure and Enzyme Function	3
BIOC 6783	Biomembranes and Bioenergetics	3
BIOL 4215	Mammalian Physiology	5
BIOL 5283	Endocrinology	3
CPSY 5173	Gerontological Counseling	3
CPSY 5473	Basic Counseling Skills	3
CPSY 5503	Multicultural Counseling	3
HDFS 5413	Aging in Human Development	3
HDFS 5423	Research Perspectives in Gerontology	3
HDFS 5433	Theories of Aging	3
HHP 5853	Clin Ex Test & Prescript	3
HHP 5873	Human Bioenergetics	3
HLTH 5113	Psychological Aspects of Health	3
HLTH 5323	General Epidemiology	3
HLTH 5453	Cultural Issues In Health	3
MGMT 5113	Individual and Organizational Behavior	3
REMS 5013	Research Design and Methodology	3
REMS 5963	Computer Applications in Nonparametric Data Analyses	3
REMS 6013	Multiple Regression Analysis in Behavioral Studies	3
REMS 6033	Factor Analysis in Behavioral Research	3
REMS 6373	Program Evaluation	3
REMS 6663	Applied Multivariate Research in Behavioral Studies	3
SCFD 5873	Culture, Society and Education	3
SCFD 5913	Introduction to Qualitative Inquiry	3
SCFD 6123	Qualitative Research I	3
SCFD 6193	Qualitative Research II	3
SOC 5213	Techniques of Population Analysis	3
SOC 5273	Qualitative Research Methods	3
SOC 5333	Global Population and Social Problems	3
STAT 4043	Applied Regression Analysis	3
STAT 5033	Nonparametric Methods	3
STAT 5043	Sample Survey Designs	3

STAT 5053	Time Series Analysis	3
STAT 5063	Statistical Machine Learning with R	3
STAT 5073	Categorical Data Analysis	3
STAT 5091	Sas Programming	1
STAT 5303	Experimental Designs	3

Total Hours: 80 (Beyond the Bachelor's Degree)

Code	Title	Hours
Students accepted into the 80-credit PhD option will first complete all requirements for the MS degree in Nutritional Sciences (Nutrition thesis or Dietetics Research non-thesis options). Students will earn the MS in Nutritional Sciences upon successful completion of the thesis, as appropriate, and the first 30 credits.		30
Students will then complete a minimum of 50 credits beyond the MS degree including:		50
A minimum of 15 and maximum of 30 credits of dissertation coursework (NSCI 6000)		
Complete a minimum of 20 hours of coursework including at least one graduate course in NSCI that is not listed below. These 20 hours will include:		
NSCI 6960	Seminar: Emerging Topics in Nutrition (Taken 2 times before graduation.)	
NSCI 6451	Advanced Grant Writing in Nutritional Sciences (or equivalent)	
EDHS 6993	Graduate Seminar in Education and Human Sciences	
Three courses to develop an area of specialization		
Select one of the following:		
STAT 5023	Statistics for Experimenters II	
STAT 5083	Statistics for Biomedical Researchers	
REMS 6003	Analyses of Variance	
Or equivalent		
Total Hours		80

Graduate College Doctor of Philosophy (PhD) Requirements

Learn more about Graduate College 2024-2025 Doctor of Philosophy (PhD) Degree Program Requirements (<http://catalog.okstate.edu/graduate-college/>). Check the General Graduate College academic regulations for minimal GPA, language proficiency and other general requirements.