NUTRITIONAL SCIENCES, PHD

Requirements for Students Matriculating in or before Academic Year 2020-2021. Learn more about Graduate College Academic Regulation 7.0 (http://catalog.okstate.edu/graduate-college/#70).

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nutritional Sciences Required Core Courses</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NSCI 5033 Macronutrients in Human Nutrition</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NSCI 5043 Micronutrients in Human Nutrition</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NSCI 6960 Seminar: Emerging Topics in Nutrition</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NSCI 6451 Advanced Grant Writing in Nutritional Sciences</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NSCI 5103 Grant Writing for the Professional</td>
<td></td>
</tr>
<tr>
<td></td>
<td>GRAD 5890 Special Topics in Grantsmanship</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AGED 5203 Grant Seeking</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Or equivalent</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Suggested courses to completed required core: (p. 1)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Human Sciences Required Core Courses</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HS 6993 Graduate Seminar in Human Sciences</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Research Support Courses Required Core Courses</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NSCI 6453 Advanced Research Methods in Nutritional Sciences</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NSCI 5123 Research Methods in Nutritional Sciences</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Or equivalent</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select 3 hours from the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STAT 5023 Statistics for Experimenters II</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STAT 5083 Statistics for Biomedical Researchers</td>
<td></td>
</tr>
<tr>
<td></td>
<td>REMS 6003 Analyses of Variance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Or equivalent</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The remaining 12-24 credits of coursework should consist of courses in intermediate and advanced statistics, advanced research methodology and advanced research methods.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select from Electives to complete coursework (courses from this list used for Nutritional Sciences core electives may not be selected): (p. 1)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NSCI 6000 Doctoral Dissertation</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 60

Suggested Courses and/or Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NSCI 5023 Advanced Nutrition in the Pathophysiology of Chronic Disease</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NSCI 5133 Advanced Nutrition for Exercise and Sport</td>
<td>3</td>
</tr>
</tbody>
</table>

NSCI 5363 Maternal and Child Nutrition 3
NSCI 5373 Childhood Nutrition 3
NSCI 5393 Nutrition and Aging 3
NSCI 5543 Obesity Prevention Across the Lifespan 3
NSCI 5553 Global Nutrition and Food Security 3
NSCI 5563 Nutritional Assessment 3
NSCI 5613 Advanced Nutrition Education and Counseling 3
NSCI 5643 Advanced Medical Nutrition Therapy 3
NSCI 5713 Advanced Community Nutrition 3
NSCI 5743 Advanced Laboratory Techniques in Nutritional Sciences 3
NSCI 5870 Problems in Nutritional Science 1-4
NSCI 6033 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 Biromembranes 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 Adult Development and Aging 3
HDFS 5423 Research Perspectives in Gerontology 3
HDFS 5433 Theories of Aging 3
HHP 5593 3
HHP 5613 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
VBSC 6120

**Total Hours:** 80 Hours (Beyond the Bachelor’s Degree)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
<td>Title</td>
<td>Hours</td>
</tr>
<tr>
<td></td>
<td>Students accepted into the 80-credit PhD option will first complete all requirements for the MS degree in Nutritional Sciences (Nutrition, thesis option). Students will earn the MS in Nutritional Sciences upon successful completion of the thesis and the first 30 credits. Students will then complete a minimum of 50 credits beyond the MS degree including: 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 NSCI 6451 Advanced Grant Writing in Nutritional Sciences (or equivalent) HS 6993 Graduate Seminar in 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</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>80</strong></td>
</tr>
</tbody>
</table>

**Graduate College Doctor of Philosophy (PhD) Requirements**

Learn more about Graduate College 2020-2021 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.