# Doctor of Philosophy in Nutritional Sciences

**Texas Tech University**

## Doctoral Degree Plan

**Total 72 hours (after BS)** = **15 hours of Core Courses** + **12 hours of Dissertation** + **45 hours of Electives**

### NS Core Courses (required) = 15 hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Core Courses = 15 hours</th>
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<tbody>
<tr>
<td>NS 5370</td>
<td>Carbohydrates, Proteins &amp; Lipids</td>
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<tr>
<td>NS 6350</td>
<td>Advanced Research Methods</td>
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<tr>
<td>NS 5365</td>
<td>Vitamins &amp; Minerals</td>
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<tr>
<td>NS 5342</td>
<td>Biostatistics</td>
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<tr>
<td>NS 5360</td>
<td>Advanced Community Nutrition</td>
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<tr>
<td>NS 6310</td>
<td>Nutrition Education</td>
<td></td>
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<tr>
<td>NS 6360</td>
<td>Issues in Food &amp; Nutrition Security</td>
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<tr>
<td>NS 5344</td>
<td>Nutrition &amp; Geriatrics</td>
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<tr>
<td>NS 6365</td>
<td>Obesity Management</td>
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<tr>
<td>NS 5345</td>
<td>Nutr &amp; Sustainability of Global Food Supps</td>
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<tr>
<td>NS 6318</td>
<td>Maternal &amp; Child Nutrition</td>
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<tr>
<td>NS 6320</td>
<td>Nutrition Epidemiology</td>
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<tr>
<td>NS 6335</td>
<td>Motivating Health Behavior</td>
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<tr>
<td>NS 6340</td>
<td>Nutrition &amp; Chronic Disease</td>
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<tr>
<td>NS 6345</td>
<td>Nutrition Immunology</td>
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### NS Doctor's Dissertation = 12 hours

**NS 8000: Doctor's Dissertation.** Only 12 hours count toward the degree plan. Permission from research mentor is needed to enroll. Begin taking NS 8000 after passing Qualifying Exam and gaining approval of proposal. Continuous enrollment in NS 8000 is required once students start taking these credits.

### Electives = 45 hours

- **Track 1: Community Nutrition**
- **Track 2: Nutritional Biochemistry and Physiology**
- **Track 3: Clinical Nutrition**
- **Choose 4 of the following courses:**

#### Track 1: Community Nutrition

- NS 5360: Advanced Community Nutrition
- NS 6310: Nutrition Education
- NS 6360: Issues in Food & Nutrition Security
- NS 5344: Nutrition & Geriatrics
- NS 6365: Obesity Management
- NS 5345: Nutr & Sustainability of Global Food Supps
- NS 6318: Maternal & Child Nutrition
- NS 6320: Nutrition Epidemiology
- NS 6335: Motivating Health Behavior
- NS 6340: Nutrition & Chronic Disease

#### Track 2: Nutritional Biochemistry and Physiology

- NS 6345: Nutrition Immunology
- BIOL 5301: Advanced Genetics
- BIOL 5302: Advanced Cell Biology
- BIOL 5303: Advanced Experimental Cell Biology
- BIOL 5306: Advanced Cancer Biology
- BIOL 5320: Advanced Molecular Biology
- BTEC 5322: Bioinformatics: Methodologies & Applications
- BTEC 5338: Methods in Biotechnology
- BTEC 6301: Introduction to Biotechnology
- CHEM 5334: Principles of Biochemistry

#### Track 3: Clinical Nutrition

- NS 5348: Lab Techniques
- NS 6315: Genetic Regulation of Metabolism
- NS 6335: Motivating Health Behavior
- NS 6340: Nutrition & Chronic Disease
- NS 6345: Nutrition Immunology
- ANSC 5201: Ethical Behavior & Integrity in Scientific Research
- HPPA 5301: Clinical Laboratory
- HPPA 5302: Pathology
- HPMP 5301: Management of the Molecular Clinical Laboratory
- KIN 5334: Clinical Exercise Testing & Prescription
- PSY 5409: Clinical Neuropsychology
- PSY 5377: Behavioral Medicine
- PSY 5409: Clinical Neuropsychology

### Required courses:

- NS 6345: Nutrition Immunology
- NS 6315: Genetic Regulation of Metabolism
- NS 5348: Lab Techniques

### Electives

- In addition to those required for individual tracks, additional courses could be taken from other tracks.

### Transfer Credits:

Students can transfer in no more than 30 hours total from their Master's Degree. These can be applied as core courses, track specific courses, or electives.

### Notes:

- **NS 5000 & NS 7000:** Faculty permission & extended titles required.
- Students can take as many hours as they'd like but ONLY 12 hours can count toward their degree plan.
- **Electives:** In addition to those required for individual tracks, additional courses could be taken from other tracks.

*Updated: July 2018*