# Texas Tech University
## Nutritional Sciences (NS) Doctoral Degree Plan

### All of the following are required

**NS courses = 15 hours**

- **Face-to-Face**
  - NS 5370: Carbohydrates, Proteins, and Lipids
  - NS 5365: Vitamins and Minerals
  - NS 5342: Biostatistics
  - NS 6118: Seminar (take 3 times)
  - NS 6350: Advanced Research Methods

### Track 1: Community Nutrition

**Choose 2 of the following:**

- NS 5360: Advanced Community Nutrition
- NS 6345: Nutrition Immunology
- Requirements PLUS 4 of any of the following:
  - NS 6310: Nutrition Education (online)
  - NS 6315: Genetic Regulation of Metabolism
  - NS 5311: Nutrition & Aging (online)
  - NS 6318: Maternal & Child Nutrition (online)
  - NS 6320: Nutrition Epidemiology
  - NS 6335: Motivating Health Behavior
  - NS 6340: Nutrition & Chronic Disease-Topics rotate: obesity & diabetes OR cardiovascular disease & cancer
- Requirements PLUS 3 of any of the following:
  - 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 5222: Bioinformatics: Methods and Applications
  - BTEC 5312: Gene Expression Analysis
  - BTEC 5338: Biochemical Methods
  - BTEC 6301: Introduction to Biotechnology
  - CHEM 5334: Principles of Biochemistry
- PLUS one of the following to equal 12 hours:
  - NS 5345: Nutrition, Sustainability, and Global Food Production (online)
  - NS 6340: Nutrition & Chronic Disease-Topics rotate: obesity & diabetes OR cardiovascular disease & cancer

### Track 2: Nutritional Biochemistry and Physiology

- NS 6345: Nutrition Immunology
- NS 6315: Genetic Regulation of Metabolism
- NS 6340: Nutrition & Chronic Disease-Topics rotate: obesity & diabetes OR cardiovascular disease & cancer
- Requirements PLUS one of the following:
  - NS 6318: Maternal & Child Nutrition (online)
  - NS 6320: Nutrition Epidemiology
  - NS 6335: Motivating Health Behavior
  - NS 6340: Nutrition & Chronic Disease-Topics rotate: obesity & diabetes OR cardiovascular disease & cancer

### Track 3: Clinical Nutrition

**Choose 2 of the following:**

- NS 5360: Advanced Community Nutrition
- NS 6345: Nutrition Immunology
- Requirements PLUS 4 of any of the following:
  - NS 6310: Nutrition Education (online)
  - NS 6315: Genetic Regulation of Metabolism
  - NS 5311: Nutrition & Aging (online)
  - NS 6318: Maternal & Child Nutrition (online)
  - NS 6320: Nutrition Epidemiology
  - NS 6335: Motivating Health Behavior
  - NS 6340: Nutrition & Chronic Disease-Topics rotate: obesity & diabetes OR cardiovascular disease & cancer
- Requirements PLUS 3 of any of the following:
  - 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 5222: Bioinformatics: Methods and Applications
  - BTEC 5312: Gene Expression Analysis
  - BTEC 5338: Biochemical Methods
  - BTEC 6301: Introduction to Biotechnology
  - CHEM 5334: Principles of Biochemistry
- PLUS one of the following to equal 12 hours:
  - NS 5345: Nutrition, Sustainability, and Global Food Production (online)
  - NS 6340: Nutrition & Chronic Disease-Topics rotate: obesity & diabetes OR cardiovascular disease & cancer

### Dissertation Hours

- **NS 8000- Dissertation=12 semester hours minimum.**
  - NS 8000 begins after successfully completing Qualifying Exams and approval of dissertation proposal. Once a student begins taking NS 8000 hours, they must continue every semester, including summer.

### Transfer Credits:

- 30 semester hours will be allowed to transfer in from the student’s master degree, depending on the evaluation by the student’s Research Advisory Chair and Committee.

## Notes

For NS 5000 and NS 7000, faculty permission is required; you can register for variable number of hours, from 1 -6. Be sure to include a different title for each NS 5000 and NS 7000.

**Submit your degree plan after your 1st year.** It is important that students work with their Research Advisory Committee Chair and Committee to select appropriate courses for the student’s interest and dissertation topic. Courses not listed here may become available and may be more appropriate than those listed.

*Updated: October 2016*