##  University of Delaware Department of Behavioral Health and Nutrition

## BACHELOR OF SCIENCE: NUTRITION AND MEDICAL SCIENCES 2019-2020

## Enter Fall 2019 - Graduate Spring 2023

## Minimum Credits to Graduate: 120

**University Requirements**

\_\_\_\_\_ ENGL110\* Seminar in Composition (3 credits)

\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_Multicultural Course: (3 credits) NTDT301 will satisfy both this and an NTDT300/400 elective but is not a

 required course in the curriculum. There are other courses that will satisfy the Multicultural requirement.

\_\_\_\_\_ First Year Seminar: (FYS; 1-4 credits) UNIV101 satisfies this requirement.

\_\_\_\_\_ Discovery Learning Experience: (DLE; 3 credits) NTDT350 will satisfy both this and an NTDT300/400 elective, but

 is not a required course in the curriculum. Other courses, including Study Abroad, satisfy the DLE requirement.

\_\_\_\_\_ Capstone Experience: NTD403 fulfills this requirement

**University Breadth Requirements**\* Students must take breadth courses from **four different subject areas.** NTDT courses cannot fulfill breadth requirements. Go to [Breadth Requirements](https://catalog.udel.edu/content.php?catoid=29&navoid=3559&hl=breadth&returnto=search) in the catalog for a complete list of courses and restrictions:

\_\_\_\_\_ Creative Arts and Humanities\* (3 credits) \_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_ History and Cultural Change\* (3 credits) \_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_ Social and Behavioral Sciences\* (3 credits) ECON100 or ECON101 satisfy this requirement

\_\_\_\_\_ Math, Natural Science and Technology\* (3 credits) ANFS305 satisfies this requirement

**MAJOR REQUIREMENTS** (96-97 credits)

\_\_\_\_\_ ANFS305\* Food Science (3)

\_\_\_\_\_ BISC207 Introductory Biology I (4)

\_\_\_\_\_ BISC208 Introductory Biology II (4)

\_\_\_\_\_ BISC276\* Human Physiology (4)

\_\_\_\_\_ BISC300 Introduction to Microbiology (4)

\_\_\_\_\_ CHEM103 or CHEM107 General Chemistry (4)

\_\_\_\_\_ CHEM104 or CHEM108General Chemistry (4)

\_\_\_\_\_ CHEM214\* Elementary Biochemistry (3)

\_\_\_\_\_ CHEM216\* Elementary Biochemistry Lab (1)

\_\_\_\_\_ CHEM321 Organic Chemistry I (3)

\_\_\_\_\_ CHEM325 Organic Chemistry Lab I (1)

\_\_\_\_\_ CHEM322 Organic Chemistry II (3)

\_\_\_\_\_ CHEM326 Organic Chemistry Lab II (1)

\_\_\_\_\_ ECON100 Economic Issues & Policies **OR**

 ECON101 Intro to Microeconomics (3)

\_\_\_\_\_ MATH221 Calculus I (3) **OR**

 MATH241 Analytic Geometry & Calculus A (4)

\_\_\_\_\_ NTDT103\* Intro to Nutrition Professions (1)

\_\_\_\_\_ NTDT200\* Nutrition Concepts (3)

\_\_\_\_\_ NTDT201\* Food Concepts (3)

\_\_\_\_\_ NTDT250\* Intro to the Nutrition Care Process (3)

\_\_\_\_\_ NTDTXXX\* Elective 300-level or higher (3)

\_\_\_\_\_ NTDT305\* Nutrition in the Life Span (3)

\_\_\_\_\_ NTDT390\* Research Methods in Nutrition (3)

\_\_\_\_\_ NTDT400\* Macronutrients (3)

\_\_\_\_\_ NTDT401\* Micronutrients (3)

\_\_\_\_\_ NTDT403 Senior Nutrition Seminar (1)

\_\_\_\_\_ NTDT421\* Nutritional Assessment Methods (3)

\_\_\_\_\_ NTDT450\* Medical Nutrition Therapy I (3)

\_\_\_\_\_ NTDT451\* Medical Nutrition Therapy II (3)

\_\_\_\_\_ PHYS201 Introductory Physics I (4)

\_\_\_\_\_ Social and Behavioral Science Elective (3)

\_\_\_\_\_ Social and Behavioral Science Elective (3)

\_\_\_\_\_ Social and Behavioral Science Elective (3)

\_\_\_\_\_ STAT200 Basic Statistical Practice (3) **OR**

 STAT408 Statistical Research Methods (3)

\_\_\_\_\_ Total of 120 Credits Required to Graduate

Please refer to the [2019-20 Undergraduate Catalog](https://catalog.udel.edu/preview_program.php?catoid=29&poid=20927&hl=nutrition&returnto=search) for a complete listing of program requirements.

Please refer to other side for suggested program of study.

\* Grade of C- or better required

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# Suggested Sequence

**The term availability** for courses listed below is projected for the 2019-20 academic year. However, changes in course availability are possible.  Check with your advisor for updated term availability.  Prerequisites (PR) and corequisites (CR) listed here are those most commonly taken by students in this major.  See catalog for additional PR and CR options.

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| --- | --- |
| **FRESHMAN YEAR** | **SOPHOMORE YEAR** |
| \_\_\_\_ **BISC207** Introductory Biology I (CR CHEM103 or 107) 4 | \_\_\_\_ **ANFS305\*** Food Science (SPRING only) 3 |
| \_\_\_\_ **BISC208** Introductory Biology II (PR BISC207 or 205; 4 CHEM104 or 108) | \_\_\_\_ **CHEM321** Organic Chem I 3 (PR CHEM104 or 108; CR CHEM325; FALL only) |
| \_\_\_\_ **CHEM103 or 107** General Chemistry 4 | \_\_\_\_ **CHEM325** Organic Chem Lab I 1 |
|  (CR MATH114 OR ≥ 70 on Math Placement Exam) |  (PR CHEM104 or 108; CR CHEM321; FALL only) |
| \_\_\_\_ **CHEM104 or 108** Gen Chem (104: PR CHEM103 or 107, 4 108: PR CHEM107 & BISC207, CR BISC208) | \_\_\_\_ **CHEM214\*** Elem. Biochemistry (PR CHEM 213) 3 \_\_\_\_ **CHEM216\*** Elem. Biochemistry Lab (CR CHEM 214) 1 |
| \_\_\_\_ **ENGL110\*** Seminar in Composition 3 | \_\_\_\_ **CHEM322** Organic Chem II (PR CHEM321; CR CHEM326; 3 |
| \_\_\_\_ **MATH221** Calculus I (PR MATH115 or 117 or Level B on MPE) 3-4 OR **MATH241** Analytic Geometry & Calculus A (PR MATH 117 or Level E on MPE)  |  SPRING only)\_\_\_\_ **CHEM326** Organic Chem Lab II 1  (PR CHEM325; CR CHEM322; SPRING only)  |
| \_\_\_\_ **NTDT103\*** Intro to Nutrition Professions (FALL only) 1\_\_\_\_ **NTDT200\*** Nutrition Concepts 3 | \_\_\_\_ **NTDT201\*** Food Concepts 3 \_\_\_\_ **NTDT250\*** Intro to the Nutrition Care Process 3  |
| \_\_\_\_ **UNIV101** First Year Experience I 1 |  (PR NTDT200)  |
| \_\_\_\_ Breadth or Multicultural or Elective 3 30-31 | \_\_\_\_ **STAT200** Basic Statistical Practice or  **STAT408** Statistical Research Methods 3\_\_\_\_ Breadth or Multicultural or Elective 3 |
|  | \_\_\_\_ Social and Behavioral Science Elective 3 30 |
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**JUNIOR YEAR SENIOR YEAR**

\_\_\_\_ **BISC276\*** Human Physiology (PR BISC205, 207 or 208 4

 & CHEM101,103 or 107)

\_\_\_\_ **BISC300** Introduction to Microbiology (PR BISC205 or 207) 4

\_\_\_\_ **ECON100** Economic Issues& Policies or3

 **ECON101** Intro to Microeconomics

\_\_\_\_ **NTDT305\*** Nutrition in the Lifespan 3

 (PR NTDT200 and a biology course)

\_\_\_\_ **NTDT390\*** Research Methods in Nutrition 3

 (PR NTDT250, NTDT305 and STAT200 or equivalent)

\_\_\_\_ **NTDT400\*** Macronutrients (PR NTDT200 & CHEM214 &216) 3

\_\_\_\_ **NTDT401\*** Micronutrients (PR NTDT400) 3

\_\_\_\_ **PHYS201** Introductory Physics I 4

 (PR MATH 115, 117, 221 or 241)

\_\_\_\_\_ Breadth or Multicultural or Elective 3

 30

\_\_\_\_ **Discovery Learning Experience (DLE)** 3

\_\_\_\_ **NTDT** **Elective\*** 300-level or higher 3

\_\_\_\_ **NTDT450\*** Medical Nutrition Therapy I (PR NTDT250, 3 NTDT400 & BISC276; FALL only)

\_\_\_\_ **NTDT451\*** Medical Nutrition Therapy II (PR NTDT250, 3

 NTDT400 & BISC276; SPRING only)

\_\_\_\_ **NTDT403** Senior Nutrition Seminar (PR Senior; SPRING only) 1

\_\_\_\_ **NTDT421\*** Nutritional Assessment Methods 3

 (PR NTDT400 & a statistics course; SPRING only beginning spring 2020)

\_\_\_\_ Social and Behavioral Science Elective 3

\_\_\_\_ Social and Behavioral Science Elective 3

\_\_\_\_ Breadth or Multicultural or Elective 3

\_\_\_\_ Breadth or Multicultural or Elective 3

\_\_\_\_ Breadth or Multicultural or Elective 2-3

 30-31

\_\_\_\_ Total of 120 credits minimum required for graduation

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\* Grade of C- or better required