

# University of Delaware Department of Behavioral Health and Nutrition

## BACHELOR OF SCIENCE: NUTRITIONAL SCIENCES 2016-2017

Enter Fall 2016 - Graduate Spring 2020

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 Experience (FYE; 1-4 credits) NTDT103 satisfies this requirement
- \_\_\_\_\_ Discovery Learning Experience (DLE; 3 credits) NTDT350 or 460 will satisfy both this and an NTDT300/400 elective but are not required courses in the curriculum. Other courses including Study Abroad satisfy the DLE requirement.

**University Breadth Requirements\*** Students must take breadth courses from **four different subject areas**. NTDT courses cannot fulfill breadth requirements. Go to [www.academiccatalog.udel.edu](http://www.academiccatalog.udel.edu) for a complete list of breadth 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 will satisfy this requirement if grade earned is C- or better

### MAJOR REQUIREMENTS (92-93 credits)

_____ ANFS305	Food Science* (3)	_____ NTDT200	Nutrition Concepts* (3)
_____ BISC207	Introductory Biology I (4)	_____ NTDT201	Food Concepts* (3)
_____ BISC208	Introductory Biology II (4)	_____ NTDTXXX	300-699 Elective* (3)
_____ BISC276	Human Physiology* (4)	_____ NTDTXXX	300-699 Elective* (3)
_____ BISC300	Introduction to Microbiology (4)	_____ NTDTXXX	300-699 Elective* (3)
_____ CHEM103	or CHEM107+ General Chemistry (4)	_____ NTDTXXX	300-699 Elective* (3)
_____ CHEM104	or CHEM108+ General Chemistry (4)	_____ NTDT305	Nutrition in the Life Span* (3)
_____ CHEM214	Elementary Biochemistry* (3)	_____ NTDT400	Macronutrients* (3)
_____ CHEM216	Elementary Biochemistry Lab* (1)	_____ NTDT401	Micronutrients* (3)
_____ CHEM321	Organic Chemistry I (3)	_____ NTDT421	Nutritional Assessment Methods* (3)
_____ CHEM325	Organic Chemistry Lab I (1)	_____ PHYS201	Introductory Physics I (4)
_____ CHEM322	Organic Chemistry II (3)	_____ Social Science Elective (3) **	
_____ CHEM326	Organic Chemistry Lab II (1)	_____ Social Science Elective (3) **	
_____ ECON100	Economic Issues & Policies or	_____ Social Science Elective (3) **	
	ECON101 Intro to Microeconomics (3)	_____ STAT408/APEC408	Statistical Research Methods
_____ MATH221	Calculus I or MATH241 Analytic Geometry	_____ or STAT200	Basic Statistical Practice (3)
	and Calculus AB (3 or 4)	_____ Total of 120 Credits	Required to Graduate
_____ NTDT103	Intro to Nutrition Professions (1)		

### NTDT250 required for entry into Dietetics Major

*See other side for suggested Program of Study*

Please refer to the 2016-17 course catalog at [http://academiccatalog.udel.edu/Pub\\_ShowCatalogPage.aspx?CATKEY=KEY\\_1361&ACYEAR=2016-2017](http://academiccatalog.udel.edu/Pub_ShowCatalogPage.aspx?CATKEY=KEY_1361&ACYEAR=2016-2017) for a complete listing of program requirements.

\* Grade of C- or better required

+ Integrated versions of CHEM103 and 104 have been renumbered as CHEM107 and CHEM108, respectively.

\*\* **Social Science Electives** - courses from the following departments: Anthropology, Black American Studies, Business Administration, Criminal Justice, Economics (including FREC150), History, Human Development and Family Studies (HDFS201, 221, 230, 329, 401, 403, 405), Political Science, Psychology (except 209 and 314), Sociology, Women's Studies (WOMS 201, 202, 206, 207, 211, 212, 213, 233, 240, 291, 298, 299, 300, 305, 323, 333, 350, 363, 407, 413, 415, 430, 436, 460, 484, 498)

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Minimum Credits to Graduate - 120

### Suggested Sequence

Consult with your advisor each semester for course selection and scheduling advisement

#### FRESHMAN YEAR

*Fall (≈ 15-16 credits)*

_____	BISC207 Introductory Biology I <small>(PR or CR CHEM 101, 103, 105 or 111)</small>	4
_____	CHEM103 or 107 General Chem (CR MATH114 or higher)	4
_____	MATH221 Calculus I (PR MATH 115 or Level V MPT) OR MATH241 Analytic Geometry & Calculus A <small>(PR MATH 117 or Level VI MPT)</small>	3-4
_____	NTDT103 Intro to Nutrition Professions (Fall only)	1
_____	NTDT200 Nutrition Concepts*	3

*Spring (≈ 14-15 credits)*

_____	BISC208 Introductory Biology II (PR BISC207; <small>CR CHEM102, 104, 106 or 112</small> )	4
_____	CHEM104 or 108 Gen Chem (PR CHEM103, 105 or 107)	4
_____	ENGL110 Seminar in Composition*	3
_____	Breadth or Multicultural or Elective	3-4
		29-31

#### SOPHOMORE YEAR

*Fall (≈ 14-16 credits)*

_____	CHEM321 Organic Chem I <small>(Fall only; PR CHEM104 or 108; CR CHEM325)</small>	3
_____	CHEM325 Organic Chem Lab I <small>(Fall only; PR CHEM104 or 108; CR CHEM321)</small>	1

*Spring (≈ 15-16 credits)*

_____	ANFS305* Food Science (Spring only)	3
_____	CHEM214 Elem. Biochemistry* (PR CHEM321)	3
_____	CHEM216 Elem. Biochemistry Lab* (CR CHEM214)	1
_____	CHEM322 Organic Chem II <small>(Spring only; PR CHEM321; CHEM326)</small>	3
_____	CHEM326 Organic Chem Lab II <small>(Spring only; PR CHEM325; CR CHEM322)</small>	1

*Either Fall or Spring*

_____	BISC276 Human Physiology* <small>(PR BISC207 or 208 and CHEM101, 103, 105 or 107)</small>	4
_____	NTDT201 Food Concepts*	3
_____	Breadth or Multicultural or Elective	3
_____	Breadth or Multicultural or Elective	3
_____	Breadth or Multicultural or Elective	2-4
		30-32

#### JUNIOR YEAR

*Fall (≈ 15 credits)*

_____	STAT408/APEC408 Statistical Research Methods or STAT200 Basic Statistical Practice	3
_____	NTDT400 Macronutrients* (PR NTDT200, CHEM214 & 216)	3
_____	PHYS201 General Physics (PR MATH 115, 117, 221 or 241)	4

*Spring (≈ 15 credits)*

_____	NTDT401 Micronutrients* (PR NTDT400)	3
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*Either Fall or Spring*

_____	BISC300 Introduction to Microbiology (PR BISC207)	4
_____	ECON100 Economic Issues & Policies or ECON101 Intro to Microeconomics	3
_____	NTDT305 Nutrition in the Lifespan* <small>(PR NTDT200 and a biology course)</small>	3
_____	NTDT300/400 Elective*	3
_____	Social Science Elective	3
		3

#### SENIOR YEAR

29

*Fall (≈ 15 credits for both Fall and Spring)*

_____	NTDT421 Nutritional Assessment Methods* <small>(Fall only; PR NTDT400 and a stat course)</small>	3
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*Either Fall or Spring*

_____	Discovery Learning Experience (DLE)**	3
_____	NTDT300/400 Elective*	3
_____	NTDT300/400 Elective*	3
_____	NTDT300/400 Elective*	3
_____	NTDT300/400 Elective*	3
_____	Social Science Elective	3
_____	Social Science Elective	3
_____	Breadth or Multicultural or Elective	4
_____	Breadth or Multicultural or Elective	3
		31

### Total of 120 credits minimum required for graduation

The following graduation requirements are satisfied by courses in the curriculum: FYE (NTDT103) and University Breadth Requirements for Social & Behavioral Sciences (ECON100 or ECON101) and Math, Natural Science and Technology (ANFS305, BISC207, CHEM103, CHEM104, APEC408, MATH221, MATH241, PHYS201). C- or better required if used to satisfy Breadth Requirement or as indicated above.

\* Grade of C- or better required

PR - Pre-requisite; CR - Co-requisite