##  University of Delaware Department of Behavioral Health and Nutrition

## BACHELOR OF SCIENCE: NUTRITIONAL SCIENCES 2012-2013

## Enter Fall 2012 - Graduate Spring 2016

## Minimum Credits to Graduate: 120

**UNIVERSITY OF DELAWARE REQUIREMENTS**

\_\_\_\_\_ **ENGL110** Critical Reading & Writing\* (3)

\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_Multicultural Course (3) 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) NTDT103 fulfills this requirement

\_\_\_\_\_ Discovery Learning Experience (DLE; 3) NTDT350 or 460 will satisfy both this and an NTDT300/400 elective but are not required courses in the curriculum. There are other courses that will satisfy the DLE requirement.

**University Breadth Requirements** \* (students must take breadth courses from four different subject areas)

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) \_\_\_\_\_\_\_\_\_\_

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

\_\_\_\_\_ Social and Behavioral Sciences\* (3) ECON100 or ECON151 satisfy this requirement

\_\_\_\_\_ Math, Natural Science and Technology \*(3) ANFS305 will satisfy this requirement if grade earned is C- or better

**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 General Chemistry (4)

\_\_\_\_\_ CHEM104 General Chemistry (4)

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

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

\_\_\_\_\_ CHEM220 Quantitative Analysis Chemistry (3)

\_\_\_\_\_ CHEM221 Quantitative Analysis Chemistry Lab (1)

\_\_\_\_\_ CHEM321 Organic Chemistry (4)

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\_\_\_\_\_ ECON100 Economic Issues & Policies or

 ECON151 Intro to Microeconomics (3) \_\_\_\_\_ FREC408 Statistical Research Methods (3)

\_\_\_\_\_ MATH221 Calculus I or MATH241 Analytic Geometry and Calculus AB (3 or 4)

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

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

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

\_\_\_\_\_ NTDTXXX 300/400 Elective \* (3)

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

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

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

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

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

\_\_\_\_\_ Social Science Elective (3) \*\*

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**ELECTIVES** - in addition to required courses completed, sufficient elective credits must be taken to meet the

minimum credits required for the degree (120).

*See other side for suggested Program of Study*

Please refer to the course catalog <http://academiccatalog.udel.edu/Pub_ShowCatalogPage.aspx?CATKEY=CATKEY_1361&ACYEAR=2012-2013> for a complete listing of program requirements. Only two credits of BHAN120, four credits of Music and four credits of 100 and 200 level courses in Military Science/Air Force may be counted toward the degree.

\* Grade of C- or better required

\*\* **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)

## University of Delaware Department of Behavioral Health and Nutrition

## BACHELOR OF SCIENCE: NUTRITIONAL SCIENCES 2012-2013

## Enter Fall 2012 - Graduate Spring 2016/Minimum Credits to Graduate - 120

Suggested Program of Study

Consult with your advisor for possible alternative sequencing

 **FRESHMAN YEAR** **SOPHOMORE YEAR**

***Fall (≈ 15-16 credits)***

\_\_\_\_ **BISC207** Introductory Biology I 4

 (PR or CR CHEM 101, 103, 105 or 111)

\_\_\_\_ **CHEM103** General Chemistry (CR MATH114 or higher) 4

\_\_\_\_ **MATH221** Calculus I (PR MATH 115 or Level V MPT) 3-4

 OR **MATH241** Analytic Geometry & Calculus A

 (PR MATH 117 or Level VI MPT)

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

\_\_\_\_ **NTDT200** Nutrition Concepts\* 3

***Spring (≈ 14-15 credits)***

\_\_\_\_ **BISC208** Introductory Biology II (PR BISC207; 4

 CR CHEM102, 104, 106 or 112)

 \_\_\_\_ **CHEM104** General Chemistry (PR CHEM101, 103 or 105) 4

\_\_\_\_ **ENGL110** Critical Reading and Writing\* 3

\_\_\_\_ Breadth or Multicultural or Elective \*\* 3-4

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***Fall (≈ 14-16 credits)***

\_\_\_\_ **CHEM220** Quantitative Analysis Chemistry 3

 (Fall only; PR CHEM102, 104 or 105; CR CHEM221)

\_\_\_\_ **CHEM221** Quantitative Analysis Chemistry Lab 1

 (Fall only; PR CHEM102, 104 or 105; CR CHEM220)

\_\_\_\_ **CHEM321** Organic Chemistry (Fall only; PR CHEM104) 4

***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 Chemistry (Spring only; PR CHEM321) 4

***Either Fall or Spring***

\_\_\_\_ **BISC276** Human Physiology\* 4

 (PR BISC207 or 208 and CHEM101, 103, 105 or 111)

\_\_\_\_ **NTDT201** Food Concepts\* 3

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

\_\_\_\_ Breadth or Multicultural or Elective \*\* 1-3 30-32

 **JUNIOR YEAR SENIOR YEAR**

***Fall (≈ 15 credits)***

\_\_\_\_\_ **FREC408** Statistical Research Methods 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

***Either Fall or Spring***

\_\_\_\_ **BISC300** Introduction to Microbiology (PR BISC207) 4

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

 **ECON151** Intro to Microeconomics

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

 (PR NTDT200 and a biology course)

\_\_\_\_ **NTDT300/400** Elective\* 3

\_\_\_\_ Social Science Elective 3

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

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

 (Fall only; PR NTDT400 and a stat course)

***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

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

**\*\*BREADTH OR MULTICULTURAL OR ELECTIVE** (from above) **MUST INCLUDE:** (for a listing of courses [www.academiccatalog.udel.edu](http://www.academiccatalog.udel.edu))

\_\_\_ Multicultural Course (3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (NTDT301 will satisfy both this and an NTDT300/400 Elective)

\_\_\_ Discovery Learning Experience (3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (NTDT350 or 460 will satisfy this and an NTDT300/400 Elective)

\_\_\_ Creative Arts & Humanities Breadth (3)\* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ History & Cultural Change Breadth (3)\*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Social Science Elective (3)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (see reverse side for list of courses)

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The following graduation requirements are satisfied by courses in the curriculum: FYE (NTDT103) and University Breadth Requirements for Social & Behavioral Sciences (ECON100 or ECON151) and Math, Natural Science and Technology (ANFS305, BISC207, CHEM103, CHEM104, FREC408, MATH221, MATH241, PHYS201). ). C- or better required if used to satisfy Breadth Requirement or as indicated above.

PR - Pre-requisite; CR - Co-requisite

\* Grade of C- or better required