PROPOSED CHANGES TO THE BS IN NUTRITION DEGREE PROGRAM IN THE COLLEGE OF NATURAL SCIENCES SECTION IN THE UNDERGRADUATE CATALOG 2016-2018

Type of Change: ☒ Academic Change
Degree Program Change (THECB form required)

Proposed classification: ☒ Exclusive □ General □ Major

1. IF THE ANSWER TO ANY OF THE FOLLOWING QUESTIONS IS YES, THE COLLEGE MUST CONSULT LINDA DICKENS, DIRECTOR OF ACCREDITATION AND ASSESSMENT, TO DETERMINE IF SACS-COC APPROVAL IS REQUIRED.
   - Is this a new degree program? Yes □ No ☒
   - Does the program offer courses that will be taught off campus? Yes □ No ☒
   - Will courses in this program be delivered electronically? Yes □ No ☒

2. EXPLAIN CHANGE TO DEGREE PROGRAM AND GIVE A DETAILED RATIONALE FOR EACH INDIVIDUAL CHANGE:

1) Update the accrediting body information in the preface to the BS in Nutrition degree and the preface to the requirements in Option I.
   **Rationale:** Previous information is out of date.

2) Update preface to Option I, Dietetics, indicating when NTR 345M is offered.
   **Rationale:** NTR 345M is offered during spring semesters only.

3) Change NTR 365 (Topic I) to NTR 344 or NTR 365 (Topic 1) in Option I (Dietetics: Didactic Program in Dietetics, or DPD). Add NTR 344 or NTR 365 (Topic 1) in options I (Dietetics: Coordinated Program in Dietetics, or DPD), II, III, IV, V, and VI.
   **Rationale:** Vitamins and Minerals, NTR 365.1, is an existing optional topic course that is offered in the regular rotation. The Nutrition faculty believes that this course is essential to a complete education in Nutrition, and that it should be required for all students pursuing a BS degree. Consequently, we are seeking approval to change Vitamins and Minerals from an optional course to a required course. In addition, we are changing the course number from NTR 365.1 to NTR 344. The reasons for the course number change are: 1) better indicate that the course is required and not optional; and 2) clarify that the course should be taken after NTR 342. NTR 365 (Topic 1: Vitamins and Minerals) will be listed as an alternative to NTR 344 during this transition catalog to ensure that students who completed the content under NTR 365 know that the course they took substitutes for required NTR 344.

4) Remove NTR 370 or 371 in requirement 10b.
   **Rationale:** Previously, CPD students in Option I were allowed to substitute, or waive NTR 365 (Topic 1: Vitamins and Minerals). Since NTR 344 is now required for all NTR students, this statement no longer applies. CPD students are already required to take NTR 370 or 371 in requirement 11ai.

5) Add NTR 355 has an alternative to NTR 355H in Option II.
   **Rationale:** During the last catalog cycle, this update was made to other nutrition options but was missed in Option II. NTR 355 is an individual research project; NTR 355H is an honors individual research project.

6) Change number of additional nutrition hours to 12 (from 14) in Option IV. Change number of hours approved by the honors advisor to 9 (from 10) in Option IV.
   **Rationale:** The number of nutrition hours was reduced due to the addition of NTR 344 as a requirement. The hours approved by the honors advisor was reduced to make the total number divisible by 3.

7) Change number of hours approved by the honors advisor to 6 (from 10) in Option V.
   **Rationale:** The number of hours was reduced due to the addition of NTR 344 as a requirement and to make the total divisible by 3.

8) Reduce social science requirement to 3 hours (from 6).

Impact statement last modified February 13, 2012.
**Rationale:** The total was reduced due to the addition of NTR 344 as a requirement.

3. **THIS PROPOSAL INVOLVES (Please check all that apply)**

- [ ] Courses in other colleges
- [ ] Courses in proposer’s college that are frequently taken by students in other colleges
- [ ] Course in the core curriculum
- [ ] Change in course sequencing for an existing program
- [ ] Change in admission requirements (external or internal)
- [ ] Requirements not explicit in the catalog language (e.g., lists of acceptable courses maintained by department office)
- [ ] Courses that have to be added to the inventory

NTR 344 is being added to inventory to replace the course number 365, Topic 1. NTR faculty believe the 344 number will make more sense to students because NTR 342 is a prerequisite to 344.

4. **SCOPE OF PROPOSED CHANGE**

a. Does this proposal impact other colleges/schools?  
   Yes [ ] No [x]
   If yes, then how?

b. Do you anticipate a net change in the number of students in your college?  
   Yes [ ] No [x]
   If yes, how many more (or fewer) students do you expect?

c. Do you anticipate a net increase (or decrease) in the number of students from outside of your college taking classes in your college?  
   Yes [ ] No [x]
   If yes, please indicate the number of students and/or class seats involved.

d. Do you anticipate a net increase (or decrease) in the number of students from your college taking courses in other colleges?  
   Yes [ ] No [x]
   If yes, please indicate the number of students and/or class seats involved.

If 4 a, b, c, or d was answered with yes, please answer the following questions. If the proposal has potential budgetary impacts for another college/school, such as requiring new sections or a non-negligible increase in the number of seats offered, at least one contact must be at the college-level.

- How many students do you expect to be impacted?
- Impacted schools must be contacted and their response(s) included:
  - Person communicated with:
  - Date of communication:
  - Response:

- Does this proposal involve changes to the core curriculum or other basic education requirements (42-hour core, signature courses, flags)? If yes, explain:
  - **If yes, undergraduate studies must be informed of the proposed changes and their response included:**
    - Person communicated with:
    - Date of communication:
    - Response:

- Will this proposal change the number of hours required for degree completion? If yes, explain:

5. **COLLEGE/SCHOOL APPROVAL PROCESS**

   Department approval date: 1/30/15
   College approval date:
   Dean approval date:

**PROPOSED NEW CATALOG TEXT:**

Impact statement last modified February 13, 2012.
Bachelor of Science in Nutrition

Nutrition is an integrative science with the overall objective of improving the health and well-being of individuals and groups. Nutritional inquiry encompasses not only the roles of electrons, atoms, molecules, genes, cells, organs, and complex organisms in biological life processes but also the links between life science and health, behavior, education, population, culture, and economics. The Bachelor of Science in Nutrition degree program includes six options, described below.

For students pursuing careers in dietetics, courses in behavioral and clinical nutrition and food systems management provide the academic preparation required for dietetics practice. The Didactic Program in Dietetics (DPD) meets the coursework requirements that qualify graduates to apply to a dietetic internship, which leads to the Registered Dietitian credential. Completion of the Didactic Program in Dietetics requirements qualifies a graduate to apply for the exam to become a Dietetic Technician, Registered. To be eligible to apply for a dietetic internship or to practice as a Registered Dietetic Technician, additional coursework would be required for students earning a degree in Options II-VI. The Coordinated Program in Dietetics (CPD) includes both the coursework and the supervised practice necessary to be eligible to write the examination to become a registered dietitian. The DPD and CPD are accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) Commission on Accreditation of Dietetics Education of the Academy of Nutrition and Dietetics (AND) American Dietetic Association (ADA), 120 S. Riverside Plaza, Suite 2000, Chicago IL 60606, (800) 877-1600.

The nutritional sciences option requires courses in science and research in order to prepare students for graduate study or professional school. Graduates may seek employment in private or publicly funded research programs or, upon completion of graduate study, may engage in college or university teaching or nutrition research. This option also allows students to fulfill requirements for postgraduate study in medicine, dentistry, and other health professions. Additional coursework is needed to be eligible to apply for a dietetic internship or to practice as a Dietetic Technician, Registered.

The nutrition and public health option III is designed to prepare students for entry-level positions in public health and nutrition at state and other health departments, in research, and in industry. It will equip them for entry into graduate programs in nutrition or other public health disciplines at schools of public health, at graduate schools in the biomedical sciences, and for entry into medical or other health professional schools as well as for those who pursue health and research careers.

Students who plan to follow option IV must be admitted into the Honors in Advanced Nutritional Sciences Program. Students in this option take honors courses in nutrition, research methodology, and writing. In addition, students are encouraged to take honors courses in disciplines outside of nutrition, such as biology, chemistry, and mathematics. Students consult with the departmental honors adviser to develop an individualized and challenging program of study that meets their goals and interests.

Students who plan to follow option V must be admitted to the Dean’s Scholars Honors Program. In addition to taking a core of research, writing, and seminar courses in the College of Natural Sciences, students in this option consult with the departmental honors adviser to develop a coherent individual program of rigorous and challenging courses from across the University.

Students in the international nutrition option gain firsthand knowledge of nutrition issues in other countries through a study abroad experience. Students combine the study of nutrition with a broad range of courses to prepare for experience studying and practicing nutrition in another culture.

Prescribed Work Common to All Options

All students pursuing an undergraduate degree must complete the University’s Core Curriculum. In addition, students seeking the Bachelor of Science in Nutrition must complete the following degree-level requirements. In some cases, courses that fulfill degree-level requirements also meet the requirements of the core.

1. Two courses with a writing flag. One of these courses must be upper-division.
2. One course with a quantitative reasoning flag.

Impact statement last modified February 13, 2012.
Courses with flags are identified in the Course Schedule. They may be used simultaneously to fulfill other requirements, unless otherwise specified.

3. At least thirty-six semester hours of upper-division coursework, of which at least twenty-four must be in nutrition. At least twenty-one semester hours of upper-division coursework, including eighteen semester hours in nutrition, must be completed in residence at the University.

Additional Prescribed Work for Each Option

Option I: Dietetics

Students in dietetics may select either the Didactic Program in Dietetics (DPD) or the Coordinated Program in Dietetics (CPD). Students who complete the DPD with at least four upper-division nutrition courses completed in residence will receive a verification statement that qualifies them to apply for an accredited supervised practice program dietetic internship. DPD graduates who complete an accredited supervised practice program dietetic internship may become active members of the Academy of Nutrition and Dietetics (AND) Dietetic Association (ADA) and are eligible to write the examination to become a registered dietitian.

Students interested in the Coordinated Program in Dietetics must apply for admission after completing sixty semester hours of prerequisite coursework. Upon completing the CPD, which includes approximately twelve hundred hours of supervised practice, graduates immediately qualify for active membership in the AND ADA and to write the examination to become a registered dietitian.

Students who are admitted to the CPD should consult the faculty adviser each semester regarding order and choice of work. During the fourth year, the following courses must be taken in the indicated term: fall semester: Nutrition 245C; spring semester: Nutrition 345M, 372C, 372F, 373S; summer session: Nutrition 374C and 374P. Because these courses are taught only once a year, a student who does not take them at the indicated time may be unable to complete the program.

4. At least three semester hours chosen from Psychology 301, Sociology 302, Anthropology 302, Economics 304K, 304L, and Human Development and Family Sciences 313 or 313H and 113L.
5. Mathematics 408C, 408N, or Statistics and Data Sciences 332.
6. Three semester hours of statistics chosen from Statistics and Data Sciences 302, 304, 306, 325H, and 328M.
7. Chemistry 301 or 301H, 302 or 302H, 204, 320M, and Biochemistry 369.
8. Biology 311C or 315H, 325 or 325H, and 365S.
9. Accounting 310F or 311.
10. The following core nutrition coursework:
   a. Nutrition 312 or 312H, 312R, or 312F, 326, and 126L; students who complete Nutrition 312H and 312R or Biology 315H and 325H are exempt from Nutrition 326 and 126L; students must complete each course with a grade of at least C- before progressing to other upper-division nutrition courses.
   b. Nutrition 307, 107L, 338W or 338H, 342, and 344 or and 365 (Topic 1: Vitamins and Minerals; Topic 2: Nutrition and Genes; or Topic 4: Obesity and Metabolic Health); students in the CPD must complete Nutrition 370 or 371 instead of 365.

11. Coursework in nutrition, consisting of the following:
   a. Behavioral and clinical nutrition:
   b. Food systems management: Nutrition 334, 234L, and 355M.
   c. Research:
      i. CPD: Nutrition 373S.
      ii. DPD: One of the following: Nutrition 324 and 124L, 353, 355 or 355H, 366L, 379H, Statistics and Data Sciences 318, 321, 325H, or 352; with the approval of the faculty undergraduate adviser, DPD students may count Nutrition 352 toward this

Impact statement last modified February 13, 2012.
requirement; Statistics and Data Sciences 325H may not be counted toward both
requirement 6 and requirement 11cii.

d. Professional development:
   i. CPD: Nutrition 245C.
   ii. DPD: Nutrition 162.
12. Students in the CPD must complete an additional fifteen semester hours of supervised practice: Nutrition
   345M, 372C, 372F, 374C, and 374P.
13. Enough additional coursework to make a total of 126 semester hours.

Option II: Nutritional Sciences

4. At least six semester hours chosen from Psychology 301, Sociology 302, Anthropology 302, Economics
   304K, 304L, and Human Development and Family Sciences 313 or 313H, and 113L.
5. Mathematics 408C, 408N, or Statistics and Data Sciences 332.
6. Three semester hours of statistics chosen from Statistics and Data Sciences 302, 304, 306, 325H, and
   328M.
7. Chemistry 301 or 301H, 302 or 302H, 204, 220C, 320M, 320N, and Biochemistry 369.
8. Either Biology 311C, 311D, and 325 or Biology 315H and 325H; and Neuroscience 365R or Biology 446L,
   and 365S.
9. Complete one of the following:
   a. Physics 301 and 101L;
   b. Physics 302K and 102M;
   c. Physics 303K and 103M; or
   d. Physics 317K and 117M
10. The following core nutrition coursework:
    a. Nutrition 312 or 312H, 112L or 312R, 326, and 126L; students who complete Nutrition 312H and
       312R or Biology 315H and 325H are exempt from Nutrition 326 and 126L; students must
       complete each course with a grade of at least C- before progressing to other upper-division
       nutrition courses.
    b. One of the following: Nutrition 307 and 107L; Biology 326M and 226L; 326R and 226L;
       Chemistry 455.
       (Topic 2: Nutrition and Genes; or Topic 4: Obesity and Metabolic Health).
11. Nine additional semester hours of nutrition, including three hours each from the following areas:
    a. Nutritional sciences: Nutrition 365 or 370 or 371; the same topic of Nutrition 365 may not be
       counted both toward this requirement and toward requirement 10c.
    c. Research: Three semester hours of coursework chosen from Nutrition 355 or 355H, 366L, Biology
       325L, 331L, and Biochemistry 369L.
12. Enough additional coursework to make a total of 126 semester hours.

Option III: Nutrition and Public Health

4. Six semester hours chosen from Anthropology 322M (Topic 12: Mexican Immigration Cultural History),
   Sociology 307M, 319, 354K, and 368D.
5. Three semester hours of Statistics and Data Sciences 302, 304, 306, 325H, and 328M.
6. One of the following courses: Mathematics 408C, 408N, or Statistics and Data Sciences 332.
7. Chemistry 301 or 301H, 302 or 302H, 204, 320M, and Biochemistry 369.
8. Biology 311C or 315H, 325 or 325H, and 365S.
9. The following core nutrition coursework:
    a. Nutrition 312 or 312H, 112L or 312R, 326, and 126L; students who complete Nutrition 312H and
       312R or Biology 315H and 325H are exempt from Nutrition 326 and 126L; students must
       complete each course with a grade of at least C- before progressing to other upper-division
       nutrition courses.
b. Nutrition 337, 338W or 338H, 342, 344 or 365 (Topic 1: Vitamins and Minerals), and 365 (Topic 1: Vitamins and Minerals; Topic 2: Nutrition and Genes; or Topic 4: Obesity and Metabolic Health).

10. Three semester hours of research chosen from Nutrition 324 and 124L, 352, 353, 355, 366L, 379H, and Statistics and Data Sciences 318, 321, 325H, or 352; Statistics and Data Sciences 325H may not count toward both requirement 5 and 10.


12. Enough additional coursework to make a total of 120 semester hours.

**Option IV: Honors in Advanced Nutritional Sciences**

4. At least three semester hours chosen from Psychology 301, Sociology 302, Anthropology 302, Economics 304K, 304L, and Human Development and Family Sciences 313 or 313H and 113L.


6. Three semester hours of statistics chosen from Statistics and Data Sciences 302, 304, 306, 325H, and 328M.

7. Chemistry 301 or 301H, 302 or 302H, 204, 320M, 320N, 220C, and Biochemistry 369.

8. Biology 311C, 311D, and 325 or Biology 315H and 325H; and Biology 365S.

9. Nutrition 312H, 312R, 338H, 342, 344 or 365 (Topic 1: Vitamins and Minerals), and 365 (Topic 1: Vitamins and Minerals; Topic 2: Nutrition and Genes; or Topic 4: Obesity and Metabolic Health), and twelve fourteen additional semester hours of nutrition or related coursework approved by the departmental honors adviser.

10. A section of Undergraduate Studies 302 or 303 that is approved by the departmental honors adviser.

11. Nutrition 355H and 379H

12. Nine Ten semester hours of additional coursework approved by the departmental honors adviser.

13. Enough additional coursework to make a total of 120 semester hours.

**Option V: Nutrition Honors**

4. Breadth requirement: A calculus course and a statistics course, one of which must be a designated honors course; Biology 315H and 325H; Chemistry 301H and 302H; and three additional hours of honors-designated or approved coursework in biology, chemistry, computer science, mathematics, statistics and data sciences, or physics; credit earned by examination may not be counted toward this requirement.

5. At least three semester hours chosen from Psychology 301, Sociology 302, Anthropology 302, Economics 304K, 304L, and Human Development and Family Sciences 313 or 313H and 113L.


7. Neuroscience 365R and Biology 365S.


9. A section of Undergraduate Studies 302 or 303 that is approved by the departmental honors adviser.

10. A section of Rhetoric and Writing 309S that is restricted to students in the Dean’s Scholars Honors Program.

11. Nutrition 355H and 379H.

12. Six Ten semester hours of additional coursework in nutrition or related area approved by the departmental honors adviser.

13. Six semester hours of coursework in the College of Liberal Arts or the College of Fine Arts.

14. Enough additional coursework to make a total of 120 semester hours.

**Option VI: International Nutrition**

Students in this option must participate for one semester or summer session in a study abroad program in nutrition offered by the University. Students must submit a study abroad application. During the study abroad experience, students complete Nutrition 353, Field Experience in International Nutrition. Additional coursework in nutrition or
in the language, culture, or history of the country may be available during the international study experience. All study abroad programs in nutrition must be approved in advance by the international nutrition faculty adviser. A list of other study abroad opportunities in nutrition is maintained in the main office of the School of Human Ecology.

4. Economics 304K or 304L, and at least three semester hours chosen from Psychology 301, Sociology 302, and Anthropology 302.
5. Three semester hours chosen from the following: Geography 339K, 357, Mexican American Studies 307, 318, Sociology 335, 354K.
7. Mathematics 408C, 408N, or Statistics and Data Sciences 332.
8. Three semester hours of statistics chosen from Statistics and Data Sciences 302, 304, 306, 325H, and 328M.
9. Chemistry 301 or 301H, 302 or 302H, 204, 320M, and Biochemistry 369.
10. Biology 311C or 315H, 325 or 325H, and 365S.
11. The following core nutrition coursework:
   a. Nutrition 312 or 312H, 112L or 312R, 326, and 126L. Students who complete Nutrition 312H and 312R or Biology 315H and 325H are exempt from Nutrition 326 and 126L; students must complete each course with a grade of at least C- before progressing to other upper-division nutrition courses.
   b. One of the following four-semester-hour sequences: Nutrition 307 and 107L; Biology 326M and 226L; 326R and 226L.
   c. Nutrition 338W or 338H, and 342, and 344 or 365 (Topic 1: Vitamins and Minerals).
13. At least nine semester hours, three of which must be upper-division, chosen from one of the following areas:
14. Enough additional coursework to make a total of 126 semester hours.

Special Requirements

Students in all options must fulfill both the University's General Requirements for graduation and the college requirements. They must also earn a grade of at least C- in each mathematics and science course required for the degree, and a grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the General Information Catalog.

To graduate under option IV, students must remain in good standing with an overall grade point average of at least 3.30 and an overall grade point average of 3.50 in all nutritional sciences courses. In addition, student research conducted in courses described in requirement 10 must be presented in an approved public forum, such as the college's annual Undergraduate Research Forum. Students who fail to maintain the required grade point average may subject to dismissal from the program. Under special circumstances and at the discretion of the nutritional sciences honors adviser, a student may be allowed to continue under academic review.

To graduate under option V, students must remain in good standing in the Dean’s Scholars Honors Program, must earn grades of at least A- in the departmental research and thesis courses described in requirement 10, and must present their research in an approved public forum, such as the college’s annual Undergraduate Research Forum. Note:

Nutritional Sciences courses with numbers ending in H are intended for students in option IV, Honors in Advanced Nutritional Sciences and in option V, Nutrition Honors. Students outside these options may enroll in these courses with the consent of the nutritional sciences honors adviser.

To be eligible to apply for a dietetic internship or to practice as a Registered Dietetic Technician, additional coursework would be required for students earning a degree in options II-VI.

Impact statement last modified February 13, 2012.
1 See http://www.utexas.edu/provost/planning/cat_change/UnderGrad.html for detailed explanations.
2 Texas Higher Education Coordinating Board.
3 Exclusive: of exclusive application and of primary interest only to a single college or school ("no protest" period is 5 working days); general: of general interest to more than one college or school (but not for submission to the General Faculty) ("no protest" period is 10 working days); major legislation must be submitted to the General Faculty for adoption ("no protest" period is 10 working days).
4 The proposed text should be based on the text of the current catalog available at http://www.utexas.edu/faculty/council/pages/catalog_chgs/catcopy.html. Strike through and replace (with underlines) only the specific language to be changed. Do NOT use “track changes!” For questions on completing this section, please contact Victoria Cervantes, fc@austin.utexas.edu, 471-5936 or Brenda Schumann, brenda.schumann@austin.utexas.edu, 475-7654.1