

PROGRAM MODIFICATION PROPOSAL FORM

Name of Institution: Winthrop University

Briefly state the nature of the proposed modification (e.g., adding a new concentration, extending the program to a new site, curriculum change, etc.):

Add concentration in Chronic Disease Prevention to the Bachelor of Science in Human Nutrition

Current Name of Program (include degree designation and all concentrations, options, and tracks):

Bachelor of Science in Human Nutrition with concentration in Dietetics

Proposed Name of Program (include degree designation and all concentrations, options, and tracks):

Bachelor of Science in Human Nutrition with concentrations in Dietetics and in Nutrition and Chronic Disease Prevention

Program Designation:

- | | |
|---|--|
| <input type="checkbox"/> Associate's Degree | <input type="checkbox"/> Master's Degree |
| <input checked="" type="checkbox"/> Bachelor's Degree: 4 Year | <input type="checkbox"/> Specialist |
| <input type="checkbox"/> Bachelor's Degree: 5 Year | <input type="checkbox"/> Doctoral Degree: Research/Scholarship (e.g., Ph.D. and DMA) |
| <input type="checkbox"/> Doctoral Degree: Professional Practice (e.g., Ed.D., D.N.P., J.D., Pharm.D., and M.D.) | |

Does the program currently qualify for supplemental Palmetto Fellows and LIFE Scholarship awards?

- Yes
 No

If No, should the program be considered for supplemental Palmetto Fellows and LIFE Scholarship awards?

- Yes
 No

Proposed Date of Implementation: Spring semester, 2019

CIP Code: 19.0504

Current delivery site(s) and modes: Winthrop campus, traditional delivery

Proposed delivery site(s) and modes: same

Program Contact Information (name, title, telephone number, and email address):

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Institutional Approvals and Dates of Approval:

Department of Nutrition – approved 11/7/2017
College Curriculum Committee – approved 12/8/17
College Faculty Assembly – 1/15/18
Dean, College of Arts and Sciences – approved 1/15/18
Committee on Undergraduate Curriculum – approved 2/5/18
Academic Council – approved 2/9/18
Faculty Conference – approved 2/23/18
Provost – approved 5/1/2018
President – approved 5/15/18

This is a modification to add a new concentration, and Board of Trustees approval is not required. The Board of Trustees was notified of the plan to create this concentration and of its approval through the curriculum process.

Background Information

Provide a detailed description of the proposed modification, including target audience, centrality to institutional mission, and relation to strategic plan.

The Department of Human Nutrition in the College of Arts and Sciences currently offers a degree program which meets the academic requirements of the Academy of Nutrition and Dietetics for eligibility to apply to accredited dietetic internships. In recent surveys of program graduates, it was suggested that an alternative major be developed for students who are not going to pursue a career in dietetics yet have a strong interest in the nutrition field, especially in the area of nutrition education and wellness. (Approximately 30% of students enrolled in the dietetics concentration do not complete the concentration.) Similarly, the Academy of Nutrition and Dietetics outlined a new career path for those students who would like to receive a BS degree in nutrition but not in dietetics. Using the curriculum ideas from the Future Practice Task Force Report of the Academy, Winthrop's Human Nutrition faculty modified our current dietetic option and developed the Bachelor of Science in Human Nutrition with a concentration in Nutrition and Chronic Disease Prevention as an alternative to the BS in Human Nutrition with a concentration in Dietetics. The first two years of the BS in Human Nutrition concentrations are identical. There are only a few courses that are different in Nutrition and Chronic Disease Prevention concentration [CHEM 101, BIOL 150/151 HLTH 300, HCMT 200, NUTR 520, HLTH 500 and NUTR 327 (new course)]. HLTH 300, HCMT 200 and NUTR 520 are from our dietetic elective list of courses available for students with a concentration in dietetics. The Nutrition and Chronic Disease Prevention concentration is also a stand-alone option available to students upon admission to Winthrop. Upon completion of this degree track, graduates can elect to pursue careers in food service management, dietary management, or nutrition and health education (including those programs targeting underserved populations).

Winthrop's Human Nutrition program is the only one in South Carolina offering the B.S. degree, a Dietetic internship program, and an M.S. degree at a single institution. Our rich history in the field began in 1917 with Winthrop offering its first coursework in dietetics in response to the Smith-Hughes Vocational Education Act. 2017 marked the centennial anniversary of Winthrop University's Human Nutrition program, which is one of the oldest programs in the nation. Our long and effective history of producing nutrition graduates, along with the emerging recommendations by the Academy of Nutrition and Dietetics, justifies the need to launch a new track in human nutrition that better enables graduates to meet the needs of South Carolinians who often battle chronic diseases like cancer, diabetes, and obesity.

Assessment of Need

Provide an assessment of the need for the program modification for the institution, the state, the region, and beyond, if applicable.

South Carolina ranks 12th in the nation for its obesity rates, and the high rates of obesity have been directly connected to cancer incidence and morbidity.¹ Winthrop's nutrition program is uniquely poised to expand its efforts to address the needs of its community by developing a degree track that better equips nutrition majors with an interdisciplinary skill set aimed at chronic disease prevention. These skills can then be directly applied to their work in food service management, nutrition education, and health education.

In recent assessments of our program using both senior surveys and one year post-graduation surveys, respondents expressed a need for options beyond traditional dietetic practice that would enable them to impact the lives of those around them. Notably, students expressed interest in more direct training that prepared them for the various employment opportunities in public health, nutrition education, and general nutritional wellness advertised in York County and surrounding areas. Consistent with survey responses, both the Academy of Nutrition and Dietetics and Winthrop's Human Nutrition Advisory Board (comprised of practitioners, internship preceptors, and food service management professionals) have produced strong recommendations for the expansion of nutrition practices opportunities that will increase access to nutrition education to economically underserved populations.

The proposed degree track will create a viable career avenue for students whose career goals and/or academic profiles will limit their abilities to successfully compete for Dietetic Internships. The Nutrition and Chronic Disease Prevention concentration within the B.S. in Human Nutrition includes a modified set of chemistry and biology courses that provide the foundations needed to successfully pursue careers in food service management or nutrition education and wellness. The curriculum develops core content knowledge for the Certified Dietetic Managers exam while also meeting the admissions requirements for most M.S. in Health Education programs. These considerations ensure an array of career options for students with particular interests in careers associated with SC DHEC programs and SNAP-ED nutrition. In these professional settings, graduates of the proposed track would be able to effectively provide nutritional education and counseling that would ideally mitigate many of the risk factors associated with chronic disease commonly diagnosed in South Carolina.

Transfer and Articulation

Identify any special articulation agreements for the modified proposed program. Provide the articulation agreement or Memorandum of Agreement/Understanding.

The new concentration will not impact existing transfer and articulation agreements.

¹ https://cancerstatisticscenter.cancer.org/?_ga=2.227276955.709940379.1532302639-38687568.1532302639#!/state/South%20Carolina

Description of the Program

Projected Enrollment						
Year	Fall Headcount		Spring Headcount		Summer Headcount	
	New	Total	New	Total	New	Total
2018-2019	0	65	5	70	0	70
2019-2020	10	75	10	85	0	85
2020-2021	15	80	10	90	0	90
2021-2022	15	85	10	95	0	95

Explain how the enrollment projections were calculated.

Enrollment in Winthrop’s Human Nutrition program has been growing over the last four years. We just admitted one of our largest freshman classes (17 new students). New transfer students will add another 12 to the program. Projected enrollment is based on our overall enrollment and how this new option would impact that enrollment. Our expectation is that this new concentration will both retain students in the current program who are less successful in the extra science courses and would have changed to a different major and to attract students who did not consider Nutrition as a major initially due to certain requirements.

Curriculum

Attach a curriculum sheet identifying the courses required for the program. - See Attached

Curriculum Changes

Courses Eliminated from Program	Courses Added to Program	Core Courses Modified
CHEM 105 – General Chemistry I	CHEM 101 – Applying Chemistry to Society	NUTR 480-content split into NUTR 380 – Nutrition Education Theory and Practice, and NUTR 580 –Nutrition Counseling and Practice
CHEM 106/108 – General Chemistry II/Lab	BIOL 150/151 – Elements of Living Systems/Lab	
NUTR 471 – Food and Nutrition Mgmt II	NUTR 229- Nutrition Assessment	
NUTR 527 – Medical Nutrition Therapy	HCMT 200 – Introduction to Healthcare Management	
NUTR 521 – nutritional Biochemistry and Metabolism	NUTR 329 – Nutrition and Wellness	
NUTR 523/524 – Food Science Principles/Sensory and Objective Evaluation of Foods	NUTR 520 – Sports Nutrition	
BIOL 310 - Microbiology	HLTH 300 – Personal and Community Health	
CHEM 310 – Essentials of Organic Chemistry	HLTH 500 – Contemporary Health Problems	

New Courses

List and provide course descriptions for new courses.

NUTR 229- Nutrition Assessment - Introduction to nutrition and general health assessment in clinical, outpatient and community environment(s). 2 credits

NUTR 329- Nutrition and Wellness - This course builds on principles from NUTR 221 by elaborating on the role of physical activity and its relationship with nutrition and overall health and wellness. This course is intended to prepare those going into preventative health and wellness-related fields on all aspects of the wellness spectrum. 3 credits

NUTR 380- Nutrition Education Theory and Practice – Apply communication, behavior and education strategies to professional dietetics practice in clinical and community settings that meets the needs of diverse audiences. 3 credits

NUTR 580- Nutrition Counseling and Practice – Introduction and experience to and experience with nutrition and dietetics communication, counseling and practice in clinical and community settings. 2 credits

Similar Programs in South Carolina offered by Public and Independent Institutions

Identify the similar programs offered and describe the similarities and differences for each program.

Program Name and Designation	Total Credit Hours	Institution	Similarities	Differences
Human Nutrition	123-126	Clemson University	Dietetics emphasis and Community Health and Wellness Emphasis	Certified Dietary Manager component for Winthrop
Public Health	120	University of South Carolina	Public Health	Nutrition focus at Winthrop

Faculty

State whether new faculty, staff or administrative personnel are needed to implement the program modification; if so, discuss the plan and timeline for hiring the personnel. Provide a brief explanation of any personnel reassignment as a result of the proposed program modification.

The Human Nutrition undergraduate program currently includes a three-credit hour Nutrition Education Theory and Practice (NUTR 480) whose content will be split between Nutrition Education Theory and Practice (NUTR 380, 3-credit hrs) and Nutrition Counseling and Practice (NUTR 580, 2-credit hours) beginning Fall 2018. This curricular change will be applied to both the Bachelor of Science in Human Nutrition with a concentration in Dietetics and to that with a concentration in Nutrition and Chronic Disease Prevention. Winthrop faculty has also approved the addition of an introductory Nutrition Assessment course (NUTR 229, 2-credit hours). Additionally, Nutrition and Wellness (NUTR 329, 3-credit hrs) is a new course and is required for students completing the proposed Nutrition and Chronic Disease Prevention track.

Current faculty who previously taught NUTR 480 will be reassigned to NUTR 229, NUTR 380, or NUTR 580. However, one of these courses may require the use of adjunct faculty (estimated \$2,500 + \$825 in fringe benefits) due to slight increases in enrollments. One additional adjunct faculty (\$2,500 + \$825 in fringe benefits) may be hired to cover introductory courses so that full-time faculty can devote time to the design and delivery of NUTR 329.

Resources

Identify new library, instructional equipment and facilities needed to support the modified program.

Library Resources: No new resources needed

Equipment: No new resources needed

Facilities: No new resources needed

Impact on Existing Programs

Will the proposed program impact existing degree programs or services at the institution (e.g., course offerings or enrollment)? If yes, explain

Yes

No

The new option may decrease enrollment in the dietetic concentration but the overall enrollment in the nutrition major should increase slightly. The slight increase is based on the assumption that some attrition within the dietetics program is due to courses in chemistry and biology. The proposed track provides an alternative degree option for these students that will enable them to persist within nutrition careers.

Financial Support

Estimated Sources of Financing for the New Costs						
Category	1st	2nd	3rd	4th	5th	Total
Tuition Funding	\$28,575	\$114,300	\$142,875	\$142,875	\$142,875	\$571,500
Program-Specific Fees						
Special State Appropriation						
Reallocation of Existing Funds						
Federal, Grant, or Other Funding						
Total	\$28,575	\$114,300	\$142,875	\$142,875	\$142,875	\$571,500
Estimated New Costs by Year						
Category	1st	2nd	3rd	4th	5th	Total
Program Administration and Faculty and Staff Salaries	\$6650	\$6650	\$6650	\$6650	\$6650	\$33,250
Facilities, Equipment, Supplies, and Materials						
Library Resources						
Institutional Overhead	\$2260	\$2260	\$2260	\$2260	\$2260	\$11,300
Total	\$8910	\$8910	\$8910	\$8910	\$8910	\$44,550
Net Total (i.e., Sources of Financing Minus Estimated New Costs)	\$19,665	\$105,390	\$133,965	\$133,965	\$133,965	\$526,950

Budget Justification

Provide a brief explanation for all new costs and sources of financing identified in the Financial Support table.

New Revenue is based on the “new” students to the program. Some will be transfers into the program now that this concentration will be available; others will be those who remain in the major instead of changing to a different major to complete their degree when they cannot meet the requirements of the Dietetic Concentration.

Limited new costs will occur as new courses will be covered by current faculty and adjuncts. Costs for a single additional course each semester is estimated to cover the additional students staying in the program. See details in Faculty section on page 7.

Institutional Overhead is calculated at 40% of the salaries. Since this program only has the limited additional faculty cost, the overhead costs are low as they are mostly covered by the existing students’ tuition revenue.

Evaluation and Assessment

Program Objectives	Student Learning Outcomes Aligned to Program Objectives	Methods of Assessment
Nutrition and Chronic Disease Prevention (NCDP) Students will rate themselves on the senior survey as well prepared or very well prepared to pursue a job in the area of nutrition and chronic disease prevention	70% or greater of the NCDP students will rate themselves on the senior survey as being well prepared or very well prepared for pursuing a career in the nutrition and chronic disease prevention field.	Senior Survey
NCDP students are able to make ethical evidence based decisions for individuals, groups, and the public in contexts related to the practice of nutrition and chronic disease prevention.	80% of respondents to Senior Survey will strongly agree or agree that the BS in Human Nutrition prepared them to be socially responsible and make ethical decisions	Senior Survey 1 year post graduate survey for NCDP students.
Students will demonstrate effective, professional oral and written communication and documentation skills.	70% of undergraduate Human Nutrition majors will earn a grade of C or higher on both the written research paper and the oral presentation.	Course-based writing assignments and oral presentations are evaluated using rubrics developed by the course instructors as well as the NUTR 370 major oral presentation.
NCDP students are able to apply knowledge of the role of environment, food and lifestyle choices to develop interventions to affect change in diverse groups of individuals.	NCDP students are able to apply knowledge of the role of environment, food and lifestyle choices to develop interventions to affect change in diverse groups of individuals. 80% of the student will earn a 70% or higher on their nutrition education and counseling projects.	Course-based evaluation based on student’s nutrition education and counseling projects.

Will any the proposed modification impact the way the program is evaluated and assessed? If yes, explain.

Yes

No

Will the proposed modification affect or result in program-specific accreditation? If yes, explain; and, if the modification will result in the program seeking program-specific accreditation, provide the institution's plans to seek accreditation, including the expected timeline.

Yes

No

Will the proposed modification affect or lead to licensure or certification? If yes, identify the licensure or certification.

Yes

No

Explain how the program will prepare students for this licensure or certification.

Students in this new option can pursue the Certified Dietary Managers certification and will be eligible to take the exam.

If the program is an Educator Preparation Program, does the proposed certification area require national recognition from a Specialized Professional Association (SPA)? If yes, describe the institution's plans to seek national recognition, including the expected timeline.

Yes

No

Bachelor of Science in Human Nutrition, Nutrition and Chronic Disease Concentration:

GENERAL EDUCATION COURSES	Semester Hours
ACAD 101	1
 SHARED SKILLS AND PROFICIENCIES	
Writing and Critical Thinking Skills	
WRIT 101	3
HMXP 102 (grade of C or better in WRIT 101)	3
CRTW 201 (grade of C or better in HMXP 102)	3
Oral Communication (may be met in course counted in major)	3
Technology (may be met in course counted in major)	3
Intensive Writing (met by NUTR 494 in major)	0
Physical Activity	1
 THINKING CRITICALLY ACROSS THE DISCIPLINES	
Global Perspectives (see approved list)	3
Historical Perspectives (see approved list)	3
Constitution Requirement (maybe met in another GNED category)	0-3
 INTRODUCING STUDENTS TO BROAD DISCIPLINARY PERSPECTIVES	
Social Sciences, Humanities, and Arts	
Social Science (at least 2 designators)	3
Humanities & Arts (at least 2 designators)	6
Quantitative Skills and Natural Science (including one lab science)	
Quantitative see approved list	3-4
Natural Science (met by CHEM 101, BIOL 150/151 in the major)	0
Subtotal	38-42
 REQUIREMENTS IN MAJOR/Concentration	
NUTR 221, 226, 227, 229, 231/232, 329, 370, 371, 421, 427, 428, 380, 490A, 494, 520, 580	42
BIOL 150/151, 213, 214	12
HCMT 200, HLTH 300, HLTH 500	9
MATH 141	3
CHEM 101	3
Subtotal	69
 Foreign Language Requirement	 0-8
General Electives	1-13
Total Semester Hours for B. S.	120