

421: NUTRITION AND HEALTH WITH A CONCENTRATION 1) CHILD AND MATERNAL HEALTH OR 2) NUTRITION SUSTAINABILITY & FOOD SYSTEMS

In Workflow

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Approval Path

1. Wed, 20 Apr 2022 15:55:14 GMT
Debbie Rappaport (fjs556): Approved for SACSCOC Accreditation Liaison
2. Thu, 21 Apr 2022 16:30:18 GMT
Traci Keck (mvr864): Approved for 1400 UG Curriculum Committee Chair
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Rob Tillyer (okf426): Approved for 1400 Chair
4. Thu, 21 Apr 2022 18:58:53 GMT
Alberto Cordova (opt540): Approved for HC UG Curriculum Committee Chair
5. Thu, 21 Apr 2022 20:17:02 GMT
Alberto Cordova (opt540): Approved for HC Associate Dean of UG Studies
6. Mon, 25 Apr 2022 15:33:47 GMT
Shannon Keen (eif969): Approved for HC Financial Lead
7. Mon, 25 Apr 2022 15:34:51 GMT
Shannon Keen (eif969): Approved for HC Dean
8. Mon, 25 Apr 2022 15:56:12 GMT
Heather Shipley (isg537): Approved for UG Vice Provost
9. Thu, 05 May 2022 15:35:13 GMT
Heather Shipley (isg537): Approved for UG Academic Council Approval

New Program Proposal

Date Submitted: Wed, 20 Apr 2022 13:24:10 GMT

Viewing: 421 : Nutrition and Health with a concentration 1) Child and Maternal Health OR 2) Nutrition Sustainability & Food Systems

Last edit: Wed, 20 Apr 2022 15:55:09 GMT

Changes proposed by: Alberto Cordova (opt540)

Administrative Information

Submitter Information

Name

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Title

Associate Dean for Undergraduate Student Success

Department

HCaP (College-level programs and courses)

Select Not Applicable for Department if this is a College Level Program. Then select the appropriate college.

College

Health, Community and Policy

Effective Catalog Edition

2023-2024

Is this an academic agreement with another entity outside UTSA?

No

New Program Proposal

Program Name

Nutrition and Health with a concentration 1) Child and Maternal Health OR 2) Nutrition Sustainability & Food Systems

Desired Implementation Date

08/01/2023

Program Type

Bachelor's Degree

Program Level

Undergraduate

Percent of new courses for the degree

50% or more

Method of Delivery

Face-to-Face (51-100% in person)

Is this a college-level program?

Yes

A college-level program is a degree program associated with a college instead of a department.

Is this program in collaboration with another college at UTSA, dependent on other courses (i.e., pre-reqs) or programs, or impact other course or program offerings?

No

Mission: Describe how the credential/degree aligns with the institutional mission or institutional strategic plan.

The Coordinated Program in Dietetics (CPD) is currently the only nationally accredited, nutrition focused program at UTSA; the expansion of this program's curriculum for a B.S. in Nutrition and Health degree will meet the needs of students interested in careers in nutrition who do not want to become a registered dietitian nutritionist (RDN). The proposed bachelor's degree would fully align with HCaP's overall goal of advancing human health. As with the CPD's long history of preparing students to enter into a work-force, we would assure that the curriculum would equip students with the required knowledge and skills needed to find employment and address complex issues related to diet and disease prevention. The CPD has established numerous and long-standing partnerships with local community organizations, non-profits and school districts that would be prime employers for students completing the proposed degree. A few sites that are applicable to this degree are Southwest ISD, San Antonio ISD, Judson ISD, Jubilee Academy,

HEB, San Antonio Food Bank, Culinary Health Education Program for Families (CHEF- Christus Santa Rosa Hospital), Texas AgriLife Comal County, Texas AgriLife Bexar County, Women's Infants and Children-Baby Café, American Diabetes Association, Any Baby Can, San Antonio Botanical Garden, and Y Living. We will continue to seek collaborative initiatives through both our internal and external partnership that would further support our goals and objectives. The new degree program would support UTSA's strategic priorities for student success and classroom to career by cultivating an environment focused on student success and building on the momentum of retaining and graduating students interested in the fields of food and public health nutrition. The B.S. would offer options for experiential learning and service-learning projects by utilizing the proposed teaching kitchen, Roadrunner Food Pantry, the Campus Garden. According to the Bureau Labor of Statistics, the median annual wage for dietitians and nutritionists was \$63,090 in May 2020. Texas is considered the second highest state to employ nutritionists. For Texas, Labor Insight reports \$56,000 as the average median salary for dietitians and nutritionists with a bachelor's degree. Experience and specialty certifications may increase salary in certain markets. Current top industries include healthcare and social assistance, accommodation and food services, professional, scientific and technical services. Labor Insight reports a very high demand for Food Service Managers (FSM) with over 27,400 job postings in the past 12 months. The average median salary for a FSM with a bachelor's degree is \$46,000. Current top industries include accommodation and food services, retail trade, healthcare and social assistance. Offering the B.S. degree with concentration options in food systems/management and public health nutrition and specialty certifications will fully prepare students to become the next leaders to address the complex nutrition related issues impacting low-income communities.

Demonstrated need: Provide evidence of the job market and workforce need for the proposed credential/degree (include burning glass and other workforce related data). Consider the impact of the program title on recruitment (SEO/SEM).

Four similar programs focused on Nutrition and Health were found in Texas. Two are located near Dallas, TX: a private university, Abilene Christian University's BS in Nutrition with a Community concentration and a public university, Texas Women's University's BS in Nutrition (Wellness) in Denton. Prairie View AM University near Houston offers a BS in Dietetics with a Health and Wellness Concentration and UT Austin offers a BS in Nutrition and Public Health. Although these degrees focus on Nutrition and Health, the degree offered at UTSA would be different in the following ways: 1. Require less upper-level chemistry courses such as inorganic chemistry II and lab, organic chemistry and lab, and biochemistry. These courses are necessary for a nutrition science focused or dietetics-focused degree, but not a degree that is focused on the application of nutrition in public health nutrition. Three out of the four similar programs, including UT Austin, require upper-level chemistry courses. 2. Offers two concentrations that are unique among the four similar programs to increase the marketability of UTSA's graduates to find careers after graduation. The similar degrees do not have concentrations or are concentrations within a nutrition sciences degree program. The two UTSA concentrations are described below: 3. Maternal and Child Health and Nutrition concentration is aimed to train students in careers in community organizations, non-profits, schools, at WIC, and provide the opportunity to become a lactation consultant. 4. Sustainable Nutrition Food Systems concentration is aimed to prepare students for careers in agriculture, food industry and management. Students will be eligible to obtain a Certified Dietary Management certification. The proposed nutrition and health degree will provide a unique opportunity for students to obtain a non-dietetics degree and to pursue a variety careers in the field, but especially in the area of maternal and infant nutrition and/or food systems management. We opted to create a degree that focused on nutrition within the realm of public health nutrition instead of creating a nutrition sciences degree due to the limited career options and the saturation within the area. Currently, 16 existing Nutrition Sciences or similar degrees exist in Texas and are primarily focused on training nutrition researchers or dietitians. All require organic chemistry and biochemistry courses and the job opportunities are limited. Additionally, the new dietetic accreditation guidelines will require students to obtain a master's degree, which may pose a few barriers. The proposed degree would be more attainable as it would not require the same level of chemistry and would prepare students for entry-level positions and leadership careers in public health nutrition or food service management.

Existing Programs: Demonstrate the relationship between the proposed program and existing programs and any potential effects on enrollment for existing programs.

We do not anticipate that the proposed program will negatively affect existing programs and will likely provide future opportunities for collaboration. We envision future collaborations with Kinesiology to create a Human Performance and Nutrition Track, Environmental Science to expand the Sustainability Track, Sociology to create a Nutrition and Healthy Aging Track, and with Public Health to collaborate on nutrition-focused tracks for their program. Additionally, students within other degree programs will be able to list many of our classes as electives.

Student demand: Provide evidence of both short-term and long-term student demand for the credential/degree (include analysis of RNL demand data on competitor programs).

We anticipate that some students who already attend UTSA will initially choose this degree and with recruitment efforts, more new students will be recruited to the degree because of its unique track options. Students who live in San Antonio would now have an option to pursue a nutrition and health degree at a public institution. We currently have 5 FTE and as the program grows, another FTE will be requested for year 4 and 5. Expected Enrollment: Year1 Year2 Year3 Year4 Year5 Count 25 50 75 100 125 FTE* 3 5 5 6 New 0 25 50 100 125

Faculty availability: Provide information on appropriately-credentialed faculty available to teach courses in the program or a plan to hire additional faculty to support the program if applicable.

The Nutrition and Health major emphasizes nutritional community assessment, program planning, behavior change, intervention strategies, leadership, management, research methods, and public policy. It is designed to prepare students for entry-level positions in public health nutrition at state health departments, schools, community organizations, non-profits and the food industry. It will equip them for entry into graduate programs in nutrition, public health, allied health, the biomedical sciences, or medical school. The B.S. degree is a 120-credit hour, non-accredited program that will serve as the option for students that are interested in nutrition, but that are not seeking to become a Registered Dietitian Nutritionist (RDN). Two concentrations will be offered as part of the bachelor's degree: Maternal and Child Health Nutrition (MCHN) and Sustainable Nutrition Food Systems (SNFS). The concentrations in MCHN

or SNFS can prepare students for jobs in Extension Service, health and wellness non-profits, school nutrition programs, public health/government nutrition programs such as the Special Supplemental Nutrition Program for Women, Infants, and Children, foodservice management, and food agriculture and industry. The overall goal of establishing a bachelor's degree is to grow the workforce in the field of public health nutrition and develop leaders that can help solve complex issues pertaining to health and nutrition. Courses in this program are designed to help students understand and implement health promotion and disease prevention, and promote healthy lifestyles through nutritional behavioral changes, and to effectively communicate nutrition messages to individuals and the public. Educational Objectives: Educate the next generation of nutrition professionals to support the workforce in a variety of entry-level positions and leadership roles. Examine evidenced based research of the functions and interrelationships of nutrients and food in human health, disease prevention, and disease conditions. Facilitate change through food and nutrition programs that contribute to the continuum of good health and well-being of our population: preconception to older adults. Contribute to nutrition practice at the local, state and national level through research, service learning and experimental activities. Educational Objectives: # Educate the next generation of nutrition professionals to support the workforce in a variety of entry-level positions and leadership roles. # Examine evidenced based research of the functions and interrelationships of nutrients and food in human health, disease prevention, and disease conditions. # Facilitate change through food and nutrition programs that contribute to the continuum of good health and well-being of our population: preconception to older adults. # Contribute to nutrition practice at the local, state and national level through research, service learning and experimental activities.

Curriculum: Discuss or provide outline of the curriculum designed to build workforce-specific skills and knowledge, including new courses that will be needed. Describe what career-engaged learning experiences are incorporated in the curriculum to prepare students for the intended workforce. Work with Undergraduate Studies to produce Curricular Analytics Program map to show student movement through a program. For graduate programs, consider aligning research and thesis hours with time to degree.

Curriculum requirements: Total Credits for the program 120 credits Texas Core Requirements (42) and support courses (22) Foundational Core Courses: 35 Concentration and electives: 21 A total of 12 NDT courses already created for the CPD and the Nutrition for Health Professionals Certificate will be used for this degree program. 1. NDT 2043 Introduction to Nutritional Sciences 2. NDT 2313 Introduction to Public Health Nutrition 3. NDT 3343 Nutrition in the Life Span 4. NDT 3363 Nutrition Education and Communication for Health Professionals 5. NDT 4333 Community Nutrition 6. NDT 4363 Current Issues in Nutrition 7. NDT 3373 Foundations of Maternal and Child Health and Nutrition# 8. NDT 2323 Nutrition Matters: Food systems Farm to Fork+ 9. NDT 3353 Production and Foodservice Systems Management I+ 10. NDT 4313 Production and Foodservice Systems Management II+ 11. NDT 3413 Advanced Nutrition 12. NDT 4343 Nutrition in Disease Prevention and Health Promotion A total of 12 new courses for the degree will need to be developed. 1. NTR ****Fundamentals of Food Science Safety 2. NTR ****Food Science Lab and Experimental Activities 3. NTR ****Personal Nutrition and Cooking Basics 4. NTR **** Nutrition, Chronic Disease Health Behavior 5. NTR ****Public Health Nutrition Program Management and Leadership 6. NTR ****Public Health Nutrition Policy Systems Solutions 7. NTR ****Nutrition for Pregnancy and Lactation# 8. NTR **** Pediatric and Adolescent Nutrition# 9. NTR**** Nutrition and Healthy Aging 10. NTR**** Introduction to Translational Research Methods in Nutrition Research 11. NTR**** Human Performance and Personalize Nutrition 12. NTR ****Internship in Public Health Nutrition #Maternal and Child Health and Nutrition concentration +Sustainable Nutrition Food Systems concentration

Workforce: Discuss how relevant workforce representatives from business, industry, non-profits, etc. have been involved/consulted in the creation and design of the program. Describe the planned ongoing engagement after program launch to review and revise program curriculum.

A. Describe courses that have been implemented and new courses needed. a. Already implemented required courses: 12 courses in the Coordinated Program in Dietetics and the Nutrition for Health Professional Certificate will be used for this degree. b. New courses needed: 12 new courses will be added. B. Describe the faculty resources and faculty requirements, if any. Two FTE NTT faculty were hired to support the teaching of new courses. Additionally, a faculty who started fall 2020, has expertise in maternal and infant nutrition and will serve as a resource for course content.

Is this a new doctoral program?

No

Degree Credit Hours

120

Catalog Integration

Catalog Integration: Provide a description of the program, including any program-specific or department-specific admission requirements.

Code	Title	Credit Hours
A. Required Courses		
BIO 1053	Introductory Microbiology	3
BIO 1061	Introductory Microbiology Laboratory	1
BIO 2061	Human Anatomy and Physiology Laboratory II (A. Required Courses)	1
BIO 2063	Human Anatomy and Physiology II	3
CHE 1103	General Chemistry I (A. Required Courses)	3

CHE 1121	General Chemistry I Laboratory	1
MGT 3013	Introduction to Organization Theory, Behavior, and Management	3
STA 1053	Basic Statistics	3
B. Nutrition and Health Requirements		
NDT 2043	Introduction to Nutritional Sciences	3
NDT 3343	Nutrition in the Life Span	3
NDT 4333	Community Nutrition	3
NDT 4091	Community Service Practicum	1
NDT 4363	Current Issues in Nutrition	3
C. Concentration 1 Maternal and Child Health & Nutrition		
Elective x 3		
D. Concentration 2 Sustainable Nutrition & Food Systems		
NDT 3353	Production and Foodservice System Management I	3
NDT 4313	Production and Food Service System Management II	3
Elective x 3		
E. Elective Options		
NDT 3413	Advanced Human Nutrition	
NDT 4343	Nutrition in Disease Prevention and Health Promotion	
NDT 3353	Production and Foodservice System Management I	
NDT 4313	Production and Food Service System Management II	
KIN 4253	Exercise Nutrition	
HTH 3713	Effective Messaging in Public Health	
HTH 4053	Health Care System	
HTH 3543	Growth and Development	
HTH 4513	Consumer Health	
COM 3293	Introduction to Health Communication	
PAD 2013	Introduction to Public Policy	
PAD 3033	Introduction to Nonprofit Agencies	
ES 4153	Introduction to Sustainability	
SPN 3053	Spanish for Healthcare Professionals	

Degree Requirements – For undergraduate programs, list the required/core courses, general education courses, and prescribed and free elective courses for the program, along with total semester credit hours required. For graduate programs, list the required/core courses, support courses, approved elective courses, thesis/non-thesis option (master's) and doctoral requirements for the program, along with total semester credit hours required.

a

Supporting Documentation and Review

UT System and THECB Requirements for this Proposal/Notes

Proposal will need UT System and THECB review and approval. Debbie Howard-Rappaport can assist with appropriate forms that will need to be completed and submitted.

SACSCOC Requirements for this Proposal/Notes

Proposal will need SACSCOC prospectus and approval. Lorrie Smith can assist with development of prospectus.

Key: 421