BS IN NUTRITION AND FOOD

In Workflow

1. FACS Committee Chair (shiltsm@csus.edu)
2. FACS Chair (lhanna@csus.edu)
3. SSIS College Committee Chair (tristan.josephson@csus.edu)
4. SSIS Dean (mendriga@csus.edu)
5. Academic Services (catalog@csus.edu)
6. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
7. Dean of Undergraduate (james.german@csus.edu; renee.leonard@csus.edu)
8. Dean of Graduate (cnewsome@skymail.csus.edu)
9. Catalog Editor (catalog@csus.edu)
10. Registrar's Office (wlindsey@csus.edu)

Approval Path

1. Tue, 01 Mar 2022 22:42:51 GMT
   Mical Shilts (shiltsm): Approved for FACS Committee Chair
2. Tue, 01 Mar 2022 22:55:41 GMT
   Lynn Hanna (lhanna): Approved for FACS Chair
3. Sat, 23 Apr 2022 21:35:11 GMT
   Tristan Josephson (tristan.josephson): Approved for SSIS College Committee Chair
4. Sun, 24 Apr 2022 23:14:37 GMT
   Marya Endriga (mendriga): Rollback to SSIS College Committee Chair for SSIS Dean
5. Wed, 27 Apr 2022 16:38:59 GMT
   Tristan Josephson (tristan.josephson): Approved for SSIS College Committee Chair
6. Tue, 07 Jun 2022 15:14:37 GMT
   Marya Endriga (mendriga): Approved for SSIS Dean

History

1. Jan 3, 2019 by 212408496
2. Jan 4, 2019 by 212408496
3. Nov 10, 2020 by Mical Shilts (shiltsm)
4. Apr 23, 2021 by Katie Hawke (katiedickson)
5. Feb 23, 2022 by Wendy Buchan (wbuchan)

Date Submitted: Tue, 01 Mar 2022 22:39:43 GMT

Viewing: BS in Nutrition and Food
Last approved: Wed, 23 Feb 2022 19:50:16 GMT
Last edit: Wed, 27 Apr 2022 16:37:03 GMT
Changes proposed by: Mical Shilts (102012285)
Academic Group: (College)
Social Sciences & Interdisciplinary Studies

Academic Organization: (Department)
Family and Consumer Sciences

Catalog Year Effective:
2022-2023 Catalog

Individual(s) primarily responsible for drafting the proposed degree major program:

Name (First Last)	Email	Phone 999-999-9999
Mical Shilts	shiltsm@csus.edu	916.628.4910
Wendy Buchan	wbuchan@csus.edu	530.313.8922
Lynn Hanna	lhanna@csus.edu	916.278.6393

Type of Program Proposal:

Major

Program Change Type:

Non-Substantive

Title of the Program:

BS in Nutrition and Food

Designation: (degree terminology)

Bachelor of Science

Briefly describe the program proposal (new or change) and provide a justification:

We are requesting that two additional program modalities, Online and Hybrid, be added to the existing in-person BS in Nutrition and Food (NUFD) degree. The NUFD program is invested in offering multiple modalities to meet student needs and learning preferences to enhance student success, improve graduation rates, and be more student focused.

A NUFD student survey was conducted in early spring 2022 (n=78) and 85% of students indicated they would like to complete their degree with online courses or a combination of online and in-person (hybrid) courses. Students stated that online or hybrid degree modality could offer:
-flexibility,
-cost savings (commuting, childcare, gas, parking),
-more time to study, care for children, and better work-life balance,
-ability to complete degree faster, and
-more time for internships.

By offering in-person, online and hybrid class options, students will be better able to take courses that align with their learning style and match their schedule needs.

The NUFD program can offer each required course in-person and online frequently enough to allow efficient degree completion (see attachment). The NUFD faculty who will be teaching the online courses are trained and have experience applying Quality Matters (QM) strategies to promote student engagement and success.

This proposal will not increase the need for additional resources and no other program changes are being requested at this time.

Objectives of the degree program:

1. Demonstrate scientific knowledge of fundamental skills, values, resources, current trends, theories, and issues relating to the utilization of food for human growth and metabolism from the interdisciplinary perspective in Dietetics, Food Administration and Nutrition.
2. Demonstrate effective communication skills: a) as individuals and collaborators, b) in written and verbal forms, c) in delivery and receipt directions, d) including the use of current technology in the field of Dietetics, Food Administration and Nutrition.
3. Analyze and critique information for effective problem solving and scientific evidence in the field of Dietetics, Food Administration and Nutrition.
4. Apply and evaluate key values as individuals and describe how ethics and values are applied in the field of Dietetics, Food Administration and Nutrition.
5. Examine how multiple perspectives from other disciplines, societies, individuals, groups and cultures influence issues relating to the utilization of food for human growth and metabolism, as well as interdisciplinary science in the field of Dietetics, Food Administration and Nutrition.

University Learning Goals

Undergraduate Learning Goals:

Competence in the disciplines
Knowledge of human cultures and the physical and natural world
Integrative learning
Personal and social responsibility
Intellectual and practical skills

Will this program be required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?

No

Do these changes impact the Smart Planner roadmap?

No

Catalog Description:

Units required for Major: 54
Total units required for BS: 120

Program Description

The major prepares students for careers in the field of nutrition, food management, and community nutrition, and food sustainability. The major emphasizes the role of nutrition and food in individual and family health, cultural and behavioral influences on food selection, and the management of commercial and noncommercial food systems. The major is offered in three modalities to meet student needs: in-person, hybrid (combination of online and in-person courses), and online. The online major courses will include asynchronous and synchronous formats.

Admission Requirements: Course prerequisites and other criteria for admission of students to the degree major program, and for their continuation in it.

Minimum Grade Requirement

A minimum grade of "C-" is required for all prerequisite courses within and outside the Department.

As defined by policy http://www.csus.edu/umanual/acadaff/fsm00010.htm, a change in units constitutes a substantive change to the program. If your changes constitute a substantive change, please refer back to the "Program Change Type" field above to ensure that "Substantive" is selected.

Program Requirements: (If new courses are being created as part of a new program, it will be useful to propose courses first.)

Program Requirements

Code	Title	Units
Required Core Courses (48 Units)		
BIO 10	Basic Biological Concepts [1]	3
CHEM 1A	General Chemistry I [1,2]	5
or CHEM 6A	Introduction to General Chemistry	
NUFD 9	Food Safety and Sanitation	3
NUFD 10	Nutrition And Wellness	3
NUFD 11	Principles of Food Preparation	3
NUFD 100	Research: Methods and Application in Nutrition and Food	3
NUFD 168	Senior Seminar	3
PSYC 2	Introductory Psychology [1]	3
STAT 1	Introduction to Statistics [1]	3
NUFD 107	Nutrition Education, Communication, and Counseling	3
NUFD 110	Food Production and Sustainability	4
NUFD 113	Nutrition And Metabolism	3
NUFD 114	Cultural and Social Aspects of Food	3
NUFD 115	Nutrition: Pre-conception Through Childhood	3
NUFD 119	Nutrition: Adolescence Through Older Adulthood	3
Required Upper Division Courses (6 Units)		
Select two of the following:		6
NUFD 112	Current Topics in Nutritional Sciences ✏ [1]	
NUFD 116	Food Service Management	
NUFD 117	Community Nutrition	
NUFD 118A	Medical Nutrition Therapy I	
NUFD 120	Practical Application in Sports Nutrition	
NUFD 121	Nutrition Assessment, Methods and Support	
Total Units		**54**

[1]   Course also satisfies General Education (GE)/Graduation Requirement.

[2]   Dietetics concentration students must take CHEM 1A

Note: CHEM 1A, CHEM 1B, and CHEM 20 are recommended for students who plan to complete the dietetics concentration or graduate studies in nutrition.

General Education Requirements [1]

Code	Title	Units
Area A: Basic Subjects (9 Units)		
A1 - Oral Communication		3
A2 - Written Communication		3
A3 - Critical Thinking		3
Area B: Physical Universe and Its Life Forms		
B1 - Physical Science [2]		0
B2 - Life Forms [2]		0
B3 - Lab (Note: Lab experience to be taken with one of the following: B1, B2 or B5) [2]		0
B4 - Math Concepts [2]		0
B5 - Additional Course (Any B to reach 12 units) - Take upper-division course to complete Area & upper division requirements. [2]		0
Area C: Arts and Humanities (12 Units)		
C1 - Arts		3
C2 - Humanities		3
C1/C2 - Area C Course		3
C1/C2 - Area C Course - Take upper-division course to complete Area & upper division requirements.		3
Area D: The Individual and Society (3 Units)		
Area D Course		3
Area D Course [2]		0
Area D Course - Take upper-division course to complete Area & upper division requirements.		0
Area E: Understanding Personal Development		
Area E Course [2]		0
Area F: Ethnic Studies		
Area F Course		
Total Units		**24**

[1]   To help you complete your degree in a timely manner and not take more units than absolutely necessary, there are ways to use single courses to meet more than one requirement (overlap). For further information, please visit the General Education page (http://catalog.csus.edu/colleges/academic-affairs/general-education/).
Note: There is no way to list all possible overlaps so please consult with a professional advisor. The Academic Advising Center can be visited online (http://www.csus.edu/acad/), by phone (916) 278-1000, or email (advising@csus.edu).

[2]   Required in Major; also satisfies GE.

Graduation Requirements [1]

Code	Title	Units
Graduation Requirements (required by CSU) (9 Units)		
American Institutions: U.S. History		3
American Institutions: U.S. Constitution & CA Government		3
Writing Intensive (WI)		3
Graduation Requirements (required by Sacramento State) (12 Units)		
English Composition II		3
Race and Ethnicity in American Society (RE)		3
Foreign Language Proficiency Requirement [2]		6

[1]   To help you complete your degree in a timely manner and not take more units than absolutely necessary, there are ways to use single courses to meet more than one requirement (overlap). For further information, please visit the General Education page (http://catalog.csus.edu/colleges/academic-affairs/general-education/).
Note: There is no way to list all possible overlaps so please consult with a professional advisor. The Academic Advising Center can be visited online (http://www.csus.edu/acad/), by phone (916) 278-1000, or email (advising@csus.edu).

[2]   If not satisfied before entering Sacramento State, it may be satisfied in General Education Area C2 (Humanities). "C- or better required." The alternative methods for satisfying the Foreign Language Proficiency Requirement are described here: https://www.csus.edu/college/arts-letters/world-languages-literatures/foreign-language-requirement.html   (https://www.csus.edu/college/arts-letters/world-languages-literatures/foreign-language-requirement.html)

Fiscal Impact to Change an Existing Program

Indicate programmatic or fiscal impact which this change will have on other academic units' programs, and describe the consultation that has occurred with affected units:

There is no projected programmatic or fiscal impacts.

Provide a fiscal analysis of the proposed changes:
No fiscal changes are predicted.

How will the above changes be accommodated within the department/College existing fiscal resources?
N/A

Will the proposed changes require additional resources?
No

What additional space, equipment, operating expenses, library, computer, or media resources, clerical/technical support, or other resources will be needed?
None

Estimate the cost and indicate how these resource needs will be accommodated:
N/A

Please attach any additional files not requested above:
NUFD BS online and in-person course roadmap.pdf
FACS department policy and procedures for online instruction.pdf

Reviewer Comments:
Marya Endriga (mendriga) (Sun, 24 Apr 2022 23:14:37 GMT): Rollback: Recommended attachment from department will be attached at college level

Key: 432