

Date Submitted: 09/01/23 12:31 pm

Viewing: **FNAHBS : Food, Nutrition and Health, Bachelor of Science in Human Environmental Science**

Last approved: 12/10/20 2:01 pm

Last edit: 12/08/23 11:59 am

Changes proposed by: trudo

Catalog Pages Using this Program [Food, Nutrition and Health B.S.H.E.S.](#)
[Food, Nutrition and Health \(FNAH\)](#)

Submitter: User ID: [trudo](#) [lkulcza](#) Phone: [4863](#) [7456](#)

Program Status: Active

Academic Level: Undergraduate

Type of proposal: Major/Field of Study

Select a reason for this modification
Making Minor Changes to an Existing Certificate, Degree or Program (including 15 or fewer hours, admission/graduation requirements, Focused Studies or Tracks)

Are you adding a concentration? No

Are you adding or modifying a track? No

Are you adding or modifying a focused study? No

Effective Catalog Year: 08152024

College/School Code: Bumpers College of Agricultural, Food, and Life Sciences (AFLS)

Department Code: Department of Human Environmental Sciences (HESC)

Program Code: FNAHBS

Degree: Bachelor of Science in Human Environmental Science

CIP Code: 19.0501 - Foods, Nutrition, and Wellness Studies, General.

Program Title: Food, Nutrition and Health, Bachelor of Science in Human Environmental Science

Program Delivery Method: On Campus

Is this program interdisciplinary?
No

Does this proposal impact any courses from another College/School?
Yes

College(s)/School(s)	College/School Name
	College of Education and Health Professions (EDUC)
	Fulbright College of Arts and Sciences (ARSC)

What are the total hours needed to complete the program? 120

- ### In Workflow
1. AFLS Dean Initial
 2. Director of Curriculum Review and Program Assessment
 3. Registrar Initial
 4. Institutional Research
 5. HESC Chair
 6. HESC Curriculum Committee
 7. AFLS Faculty
 8. EDUC Dean
 9. ARSC Dean
 10. AFLS Dean
 11. Global Campus
 12. Provost Review
 13. Undergraduate Council
 14. Faculty Senate
 15. Provost Final
 16. Registrar Final
 17. Catalog Editor Final

- ### Approval Path
1. 10/06/23 1:05 pm
Lona Robertson (ljrobert): Approved for AFLS Dean Initial
 2. 11/13/23 4:36 pm
Lisa Kulczak (lkulcza): Approved for Director of Curriculum Review and Program Assessment
 3. 11/17/23 8:51 am
Gina Daugherty (gdaugher): Approved for Registrar Initial
 4. 11/27/23 9:30 am
Doug Miles (dmiles): Approved for Institutional Research
 5. 11/27/23 1:05 pm
Donna Graham (dgraham): Approved for HESC Chair
 6. 11/27/23 2:17 pm
Laura Kathleen Matters Herold (lkherold): Approved for HESC

Program Requirements and Description

Requirements state minimum core and discipline specific general education requirements:
(Course work that meets state minimum core requirements is in bold.)

Curriculum
Committee

7. 03/15/24 4:20 pm
Casey Owens
Hanning
(cmowens):
Approved for AFLS
Faculty
8. 03/17/24 8:09 am
Paul Calleja
(pcallej): Approved
for EDUC Dean
9. 03/17/24 8:27 am
Christopher Liner
(liner): Approved for
ARSC Dean
10. 03/17/24 9:36 am
Lona Robertson
(lrobert): Approved
for AFLS Dean
11. 03/18/24 7:50 am
Suzanne Kenner
(skenner): Approved
for Global Campus
12. 03/25/24 12:12 pm
Jim Gigantino
(jgiganti): Approved
for Provost Review
13. 04/22/24 12:42 pm
Lisa Kulczak
(lkulcza): Approved
for Undergraduate
Council

History

1. Aug 22, 2014 by
Leepfrog
Administrator
(clhelp)
2. Aug 22, 2014 by
Leepfrog
Administrator
(clhelp)
3. Aug 22, 2014 by
Leepfrog
Administrator
(clhelp)
4. Mar 5, 2015 by
Charlie Alison
(calison)
5. Mar 10, 2015 by
Charlie Alison
(calison)
6. Mar 12, 2015 by
Charlie Alison
(calison)
7. May 11, 2018 by
Nancy Simkins
(nsimkin)

8. Jun 7, 2018 by
Charlie Alison
(calison)
9. Dec 20, 2019 by
Charlie Alison
(calison)
10. May 27, 2020 by
Lisa Kulczak (lkulcza)
11. Dec 10, 2020 by
Karen Turner
(kjvestal)

University Requirements	1
UNIV 1001 Course UNIV 1001 Not Found	
<u>UNIV 10051</u> <u>University Perspectives</u>	
Communications	12
ENGL 1013 Course ENGL 1013 Not Found (unless exempt)	
ENGL 1023 Course ENGL 1023 Not Found (unless exempt)	
COMM 1313 Course COMM 1313 Not Found	
<u>ENGL 10103</u> <u>Composition I (ACTS Equivalency = ENGL 1013)</u>	
<u>ENGL 10203</u> <u>Composition II (ACTS Equivalency = ENGL 1023)</u>	
<u>SPCH 10003</u> <u>Public Speaking (ACTS Equivalency = SPCH 1003)</u>	
<u>ACOM 31403</u> <u>Communicating Agriculture to the Public</u>	
<u>or ENGL 30503</u> <u>Technical and Professional Writing (ACTS Equivalency = ENGL 2023)</u>	
U.S. History and Government	3
<u>HIST 20003 or HIST 20103 or PLSC 20003</u>	
Mathematics	6
MATH 1203 Course MATH 1203 Not Found (or higher level math)	
STAT 2303 Course STAT 2303 Not Found	
<u>MATH 11003</u> <u>College Algebra (ACTS Equivalency = MATH 1103) (or higher level MATH)</u>	
<u>MATH 21003</u> <u>Principles of Statistics (ACTS Equivalency = MATH 2103)</u>	
Physical and Biological Sciences	8
CHEM 1073 Course CHEM 1073 Not Found & CHEM 1071L and Course CHEM 1071L Not Found	
Choose from one of the following Science groups:	
ACOM 3143 Course ACOM 3143 Not Found or ENGL 3053 Course ENGL 3053 Not Found	
<u>CHEM 14103</u> <u>University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture)</u> & <u>CHEM 14101</u> <u>and University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)</u> & <u>CHEM 14203</u> <u>and University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture)</u> & <u>CHEM 14201</u> <u>and University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)</u>	
<u>CHEM 12103</u> <u>Fundamentals of Chemistry (ACTS Equivalency = CHEM 1214 Lecture)</u> & <u>CHEM 12101</u> <u>and Fundamentals of Chemistry Laboratory (ACTS Equivalency = CHEM 1214 Lab) (AND 4 hours from University science core list)</u>	
Fine Arts and Humanities	6
Choose from Fine Arts and Humanities Core Courses (Select 3 hours from each)	
<u>Choose 3 hours from Fine Arts and 3 hours from Humanities State Minimum Core</u>	
Social Sciences	9

~~PSYC 2003~~ ~~Course PSYC 2003 Not Found~~

~~HDFS 2413~~ ~~Course HDFS 2413 Not Found~~

or ~~HDFS 1403~~ ~~Course HDFS 1403 Not Found~~

Choose 3 hours from University Social Science Core List

PSYC 20003 General Psychology (ACTS Equivalency = PSYC 1103)

HDFS 24103 Family Relations

or HDFS 14003 Life Span Development

Select 3 hours from Social Science state minimum core list

FNAH Requirements

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~~NUTR 1213~~ ~~Course NUTR 1213 Not Found~~

~~NUTR 2113~~ ~~Course NUTR 2113 Not Found~~
& ~~NUTR 2111L~~ ~~and Course NUTR 2111L Not Found~~

~~HOSP 2611~~ ~~Course HOSP 2611 Not Found~~

~~NUTR 3103~~ ~~Course NUTR 3103 Not Found~~
& ~~NUTR 3101L~~ ~~and Course NUTR 3101L Not Found~~

~~NUTR 3213~~ ~~Course NUTR 3213 Not Found~~

~~NUTR 4001~~ ~~Course NUTR 4001 Not Found~~

~~NUTR 4103~~ ~~Course NUTR 4103 Not Found~~
& ~~NUTR 4101L~~ ~~and Course NUTR 4101L Not Found~~

~~NUTR 4223~~ ~~Course NUTR 4223 Not Found~~

~~NUTR 4243~~ ~~Course NUTR 4243 Not Found~~

~~NUTR 4303~~ ~~Course NUTR 4303 Not Found~~

~~NUTR 4403~~ ~~Course NUTR 4403 Not Found~~
& ~~NUTR 4401L~~ ~~and Course NUTR 4401L Not Found~~

NUTR 12103 Fundamentals of Nutrition

HOSP 26101 Foodservice Sanitation

NUTR 21103 Principles of Foods
& NUTR 21101 and Principles of Foods Laboratory

NUTR 31043 Culinary Nutrition
& NUTR 31041 and Culinary Nutrition Lab

NUTR 32103 Nutrition Education and Counseling

NUTR 40001 Nutrition Seminar

NUTR 41003 Research Methods in Nutrition

NUTR 42203 Life Cycle Nutrition

NUTR 42403 Community Nutrition

NUTR 43003 Cultural Perspectives on Foods

NUTR 44033 Recipe Modification
& NUTR 44031 and Recipe Modification Lab

Electives

43

The following electives will provide an area of focused study for students. Students will discuss with advisor to select courses to complete degree requirements.

Food Service Systems Management

~~HOSP 2603~~ ~~Course HOSP 2603 Not Found~~

~~NUTR 3603~~ ~~Course NUTR 3603 Not Found~~

[HOSP 3653](#) [Course HOSP 3653 Not Found](#)

Food Service Management

[HOSP 26003](#) [Purchasing and Cost Control](#)

[NUTR 36003](#) [Quantity Foods](#)

[HOSP 36503](#) [Hospitality, Dietetic Management and Human Resources](#)

Nutrition Research

[BIOL 1543](#) [Course BIOL 1543 Not Found](#)
& [BIOL 1541L](#) [and Course BIOL 1541L Not Found](#)

[BIOL 2323](#) [Course BIOL 2323 Not Found](#)
& [BIOL 2321L](#) [and Course BIOL 2321L Not Found](#)

[BIOL 2533](#) [Course BIOL 2533 Not Found](#)
& [BIOL 2531L](#) [and Course BIOL 2531L Not Found](#)

[CHEM 2613](#) [Course CHEM 2613 Not Found](#)
& [CHEM 2611L](#) [and Course CHEM 2611L Not Found](#)

[CHEM 3813](#) [Course CHEM 3813 Not Found](#)

[NUTR 4213](#) [Course NUTR 4213 Not Found](#)

[BIOL 4703](#) [Course BIOL 4703 Not Found](#)

[BIOL 10103](#) [Principles of Biology \(ACTS Equivalency = BIOL 1014 Lecture\)](#)
& [BIOL 10101](#) [and Principles of Biology Laboratory \(ACTS Equivalency = BIOL 1014 Lab\)](#)

[BIOL 23373](#) [General Genetics](#)
& [BIOL 23371](#) [and General Genetics Laboratory](#)

[BIOL 25473](#) [Cell Biology](#)
& [BIOL 25471](#) [and Cell Biology Laboratory](#)

[CHEM 26103](#) [Organic Physiological Chemistry \(ACTS Equivalency = CHEM 1224 Lecture\)](#)
& [CHEM 26101](#) [and Organic Physiological Chemistry Laboratory \(ACTS Equivalency = CHEM 1224 Lab\)](#)

[CHEM 38103](#) [Elements of Biochemistry](#)

[NUTR 42103](#) [Advanced Nutrition I](#)

[BIOL 47073](#) [Mechanisms of Pathogenesis](#)

Health and Wellness

[NUTR 2203](#) [Course NUTR 2203 Not Found](#)

[PBHL 1103](#) [Course PBHL 1103 Not Found](#)

[PBHL 2663](#) [Course PBHL 2663 Not Found](#)

[PBHL 3202](#) [Course PBHL 3202 Not Found](#)

[PBHL 3643](#) [Course PBHL 3643 Not Found](#)

[EXSC 3153](#) [Course EXSC 3153 Not Found](#)

The number of additional electives will depend on the focus area that the student chooses:

[NUTR 22003](#) [Sports Nutrition](#)

[PBHL 11003](#) [Personal Health and Safety](#)

[PBHL 26603](#) [Terminology for the Health Professions](#)

[PBHL 32002](#) [Health Care and Public Health Policy](#)

[PBHL 36403](#) [Public Health Program Planning and Evaluation](#)

[EXSC 31503](#) [Exercise Physiology](#)

General Electives (may be taken to meet hours requirement for program)

[CHEM 1103](#) [Course CHEM 1103 Not Found](#)
& [CHEM 1101L](#) [and Course CHEM 1101L Not Found](#)

& CHEM 1123

and Course CHEM 1123 Not Found

& CHEM 1121L

and Course CHEM 1121L Not Found

Total Hours

120

8-Semester Plan

Food, Nutrition and Health B.S.H.E.S., Eight-Semester Degree Program

Students wishing to follow the degree plan in Food, Nutrition and Health major should go to the [Eight-Semester Degree Policy](#), in the Academic Regulations chapter for u

First Year	Units
	Fall/Spring
Satisfies General Education Outcome 3.4:	
CHEM 1103 Course CHEM 1103 Not Found	0 -
& CHEM 1101L Course CHEM 1101L Not Found	
NUTR 1213 Course NUTR 1213 Not Found	3 -
HOSP 2611 Course HOSP 2611 Not Found	1 -
UNIV 1001 Course UNIV 1001 Not Found	1 -
MATH 1203 Course MATH 1203 Not Found (or higher level math) (Satisfies General Education Outcome 2.1)	3 -
ENGL 1013 Course ENGL 1013 Not Found (unless exempt) (Satisfies General Education Outcome 1.1)	3 -
<u>CHEM 14103 University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture)</u>	<u>4 =</u>
<u>& CHEM 14101 University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)</u>	
<u>NUTR 12103 Fundamentals of Nutrition</u>	<u>3 =</u>
<u>HOSP 26101 Foodservice Sanitation</u>	<u>1 =</u>
<u>UNIV 10051 University Perspectives</u>	<u>1 =</u>
<u>MATH 11003 College Algebra (ACTS Equivalency = MATH 1103) (or higher level math) (Satisfies General Education Outcome 2.1)</u>	<u>3 =</u>
<u>ENGL 10103 Composition I (ACTS Equivalency = ENGL 1013) (unless exempt) (Satisfies General Education Outcome 1.1)</u>	<u>3 =</u>
ENGL 1023 Course ENGL 1023 Not Found (unless exempt) (Satisfies General Education Outcome 1.1)	- 3
COMM 1313 Course COMM 1313 Not Found (Satisfies General Education Outcomes 1.2 and 5.1)	- 3
<u>ENGL 10203 Composition II (ACTS Equivalency = ENGL 1023) (unless exempt) (Satisfies General Education Outcome 1.1)</u>	<u>= 3</u>
<u>SPCH 10003 Public Speaking (ACTS Equivalency = SPCH 1003) (Satisfies General Education Outcomes 1.2 and 5.1)</u>	<u>= 3</u>
Fine Arts State Minimum Core Elective (Satisfies General Education Outcome 3.1) ¹	3
Humanities State Minimum Core Elective (Satisfies General Education Outcome 3.2) ²	3
Choose 4 Hours from the following: (Satisfies General Education Outcome 3.4)	4
<u>CHEM 14203 University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture)</u>	<u>= =</u>
<u>& CHEM 14201 University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)</u>	
<u>Science State Minimum Core Elective</u>	
Year Total:	15 16
Second Year	Units
	Fall/Spring
NUTR 2113 Course NUTR 2113 Not Found	4 -
& NUTR 2111L Course NUTR 2111L Not Found	
General Elective	6 -
PSYC 2003 Course PSYC 2003 Not Found (Satisfies General Education Outcome 3.3)	3 -
STAT 2303 Course STAT 2303 Not Found	3 -
<u>NUTR 21103 Principles of Foods</u>	<u>4 =</u>
<u>& NUTR 21101 Principles of Foods Laboratory</u>	
<u>Electives³</u>	<u>6 =</u>
<u>PSYC 20003 General Psychology (ACTS Equivalency = PSYC 1103) (Satisfies General Education Outcome 3.3)</u>	<u>3 =</u>
<u>MATH 21003 Principles of Statistics (ACTS Equivalency = MATH 2103)</u>	<u>3 =</u>
Satisfies General Education Outcomes 3.3, 4.1, and 4.2:	
HDFS 2413 Course HDFS 2413 Not Found	- 3
or HDFS 1403 Course HDFS 1403 Not Found	
ENGL 3053 Course ENGL 3053 Not Found	- 3
or ACOM 3143 Course ACOM 3143 Not Found	
<u>HDFS 24103 Family Relations</u>	<u>= 3</u>
<u>or HDFS 14003 Life Span Development</u>	
<u>ENGL 30503 Technical and Professional Writing (ACTS Equivalency = ENGL 2023)</u>	<u>= 3</u>
<u>or ACOM 31403 Communicating Agriculture to the Public</u>	
<u>Electives³</u>	<u>9</u>
Year Total:	16 15
Third Year	Units
	Fall/Spring
NUTR 3213 Course NUTR 3213 Not Found	3 -

NUTR 3103 Course NUTR 3103 Not Found	4 -
& NUTR 3101L Course NUTR 3101L Not Found	
<u>NUTR 32103 Nutrition Education and Counseling</u>	<u>3</u> =
<u>NUTR 31043 Culinary Nutrition</u>	<u>4</u> =
<u>& NUTR 31041 Culinary Nutrition Lab</u>	
Social Science State Minimum Core Elective (Satisfies General Education Outcome 3.3)	3
US History or Government State Minimum Core Elective	3
Electives ³	3
NUTR 4243 Course NUTR 4243 Not Found	- 3
<u>NUTR 42403 Community Nutrition</u>	= <u>3</u>
Electives ³	12
NUTR 4303 Course NUTR 4303 Not Found	- 3
or NUTR 4403 NUTR 4403/4401L Course NUTR 4403 Not Found	
Year Total:	16 15
Fourth Year	
	Units
	FallSpring
<u>NUTR 42203 Life Cycle Nutrition</u>	<u>3</u> =
<u>NUTR 43003 Cultural Perspectives on Foods</u>	<u>3</u> =
Electives ³	9
NUTR 4223 Course NUTR 4223 Not Found	3 -
<u>NUTR 44033 Recipe Modification</u>	= <u>4</u>
<u>& NUTR 44031 Recipe Modification Lab</u>	
or <u>NUTR 43003 Cultural Perspectives on Foods</u>	
<u>NUTR 40001 Nutrition Seminar (Satisfies General Education Outcome 6.1)</u>	= <u>1</u>
<u>NUTR 41003 Research Methods in Nutrition</u>	= <u>3</u>
Electives ³	4
NUTR 4303 Course NUTR 4303 Not Found	- 3
or NUTR 4403 Course NUTR 4403 Not Found	
NUTR 4001 Course NUTR 4001 Not Found (Satisfies General Education Outcome 6.1)	- 1
NUTR 4103 Course NUTR 4103 Not Found	- 4
& NUTR 4101L Course NUTR 4101L Not Found	
Year Total:	15 12
Total Units in Sequence:	120

¹ The Fine Arts Elective courses that satisfy General Education Outcome 3.1 include: [ARCH 10003](#), [ARHS 10003](#), [COMM 10003](#), [DANC 10003](#), [LARC 10003](#), [MUSC 10003](#), [ML](#)

² The Humanities Elective courses which satisfy General Education Outcome 3.2 include: [AAS 20203](#), [ANTH 10303](#), [ARCH 10103](#), [CLST 10003](#), [CLST 100H3](#), [CLST 10103](#), [COMM 12303](#), [DANC 10003](#), [ENGL 12103](#), [GNST 20003](#), [HIST 11193](#), [HIST 111H3](#) or Intermediate-level world language (usually 2003-level).

³ Students must complete 40 hours of upper division courses (3000-4000 level). It is recommended that students consult with their academic adviser when making course

No	Are Similar Programs available in the area?
Estimated Student Demand for Program	NA
Scheduled Program Review Date	<u>2028-2029</u> 2021- 2022
Program Goals and Objectives	<p style="text-align: center;">Program Goals and Objectives</p> <p>The Food, Nutrition, and Health degree is designed for students who have a strong interest in nutrition, but do not want to become registered dietitians. The goal is to equip students with a strong foundation of evidence-based nutrition knowledge of how to locate, interpret, and use evidence-based information to deliver effective and professional oral and written communication in the nutrition related profession of their choice.</p>
Learning Outcomes	<p style="text-align: center;">Learning Outcomes</p> <p>Demonstrate the location, interpretation and usage of professional literature to deliver ethical, evidenced based nutrition information. Demonstrate effective, professional oral and written communication regarding nutrition for a target population.</p>

Learning Outcomes

Demonstrate the principles of healthy meal planning incorporating consideration of special needs, culture and ethnic parameters through the development and implementation of a meal that reflects flavor profiles, food trends, sustainable food practices, and identifies nutrients, phytochemicals and functional foods while incorporating special needs, culture and ethnic parameters as assigned.

Description and justification of the request

Description of specific change	Justification for this change
Changing HDFS 2413 or 1403 to HDFS 2493, deleting NUTR 4101L - class was inactivated, changing FNAH major core from 33 to 32 hours, changing electives from 42 to 43. Revise semester plan to match revisions.	NUTR 4101L was inactivated due to inadequate enrolment, requiring adjustment to hours; social science reqmts changed to be those recognized as university core.

Upload attachments [23-24-fnahbs-8sdcp Tracked Changes.docx](#)
[23-24-fnahbs-final Checksheet.docx](#)

Reviewer Comments **Lisa Kulczak (lkulcza) (11/13/23 4:36 pm)**: Updated submitter information and next scheduled program review date.

Key: 40