

## New Program Proposal

Date Submitted: 12/19/22 9:09 am

Viewing: **AFLSPH-HMNT : Agricultural, Food and Life Sciences: Human Nutrition**

Last edit: 12/20/22 4:03 pm

Changes proposed by: watkinsv

Submitter:	User ID:	watkinsv	Phone:
575-2121			
Program Status	Active		
Academic Level	Graduate		
Type of proposal	Concentration		
Select a reason for this new program	Adding New Concentration		
Effective Catalog Year	Fall 2023		
College/School Code	Bumpers College of Agricultural, Food, and Life Sciences (AFLS)		
Department Code	Department of Agri Food and Life Sciences Dean (AFLD)		
Program Code	AFLSPH-HMNT		
Degree	Doctor of Philosophy		
CIP Code			

### In Workflow

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

### Approval Path

1. 12/19/22 9:20 am  
Lona Robertson (ljrobert): Approved for AFLS Dean Initial
2. 12/19/22 10:22 am  
Christa Hestekin (chesteki): Approved for GRAD Dean Initial
3. 12/20/22 3:50 pm  
Alice Griffin (agriffin): Approved for Director of

Curriculum Review  
and Program  
Assessment

4. 12/20/22 4:03 pm

Gina Daugherty

(gdaugher):

Approved for

Registrar Initial

5. 12/20/22 5:00 pm

Doug Miles

(dmiles): Approved

for Institutional

Research

6. 12/20/22 5:04 pm

Lona Robertson

(ljrobert): Approved

for AFLD Chair

7. 01/03/23 12:22 pm

Jefferson Miller

(jdmiller): Approved

for AFLD Curriculum

Committee

8. 01/19/23 12:07 am

Fionna Goggin

(fgoggin): Approved

for AFLS Faculty

9. 01/19/23 8:40 am

Jeannie Hulen

(jhulen): Approved

for ARSC Dean

10. 01/20/23 8:36 am

Lona Robertson

(ljrobert): Approved

for AFLS Dean

11. 01/20/23 8:40 am

Suzanne Kenner

(skenner): Approved

for Global Campus

12. 01/20/23 8:47 am

Jim Gigantino

(jgiganti): Approved  
for Provost Review  
13. 02/20/23 9:21 am  
Christa Hestekin  
(chesteki):  
Approved for  
Graduate Council

01.1101 - Plant Sciences, General.

Program Title

Agricultural, Food and Life Sciences: Human Nutrition

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

Fulbright College of Arts and Sciences (ARSC)

What are the total  
hours needed to  
complete the  
program?

72

## Program Requirements and Description

### Requirements

### Additional Concentration Requirements

In addition to the general requirements for the Ph.D. program in Agricultural, Food and Life Sciences, students in the Human Nutrition Concentration must also complete:

<a href="#"><u>NUTR 5113</u></a>	Advanced Nutrition I	3
<a href="#"><u>NUTR 5233</u></a>	Advanced Nutrition II	3
<a href="#"><u>NUTR 5103</u></a>	Nutrition Research Design and Methodology	3

<a href="#"><u>CHEM 5843</u></a>	Biochemistry II	3
Graduate-level Statistics		6
Choose three (3) hours from the following:		3
<a href="#"><u>FDSC 6443</u></a>	Metabolism of Xenobiotics	
<a href="#"><u>FDSC 602V</u></a>	Special Topics (ST: Metabolism and Chronic Disease)	
Total Hours		21

Completion of the AFLS Ph.D. with a concentration in Human Nutrition does not meet the eligibility requirements to become a registered dietitian nutritionist (RDN). The Commission on Dietetic Registration (CDR) requires a minimum of a master's degree plus the completion of supervised practice hours. CDR requires that individuals complete the supervised practice hours in programs accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) for this purpose. This is not provided by the University of Arkansas.

In addition to the prerequisites to the AFLSPH degree program, applicants are required to have earned credit in the following:

Introductory Biology (3 credits)

Physiology (human; 3 credits)

Biochemistry (3 credits)

Nutrition (human; 3 credits)

Statistics (3 credits)

Students entering the graduate program who do not have an undergraduate degree in nutrition or closely related field with training and experience will be required to take the following additional courses:

[CHEM 5813](#) Biochemistry I

[NUTR 5223](#) Nutrition During the Life Cycle

#### Program Costs

No new resources needed

#### Library Resources

No new resources needed

#### Instructional

##### Facilities

No new resources needed

#### Faculty Resources

No new resources needed

List Existing Certificate or Degree Programs  
that Support the Proposed Program

Are Similar Programs available in the area?

No

Estimated Student 12

Demand for Program

Scheduled Program see AFLSPH

Review Date

Program Goals and

Objectives

**Program Goals and Objectives**

See AFLSPH

Learning Outcomes

**Learning Outcomes**

See AFLSPH

## Description and Justification for this request

Description of request	Justification for request
Add concentration in Human Nutrition to the AFLSPH degree program.	<p>Currently, there is not a specific graduate Ph.D. program with a focus on Human Nutrition. However, Arkansas is ranked with the 12th highest obesity rate in children (ages 10-17), 3rd in high school students, and 4th in adults among all states in the U.S. according to the Behavioral Risk Factor Surveillance System (BRFSS)<sup>1</sup>. Individuals with obesity have an increased risk of developing chronic diseases such as type 2 diabetes mellitus, heart disease, stroke, hypertension, and cancer. Arkansas also leads in heart disease mortality (ranking 3rd in the nation), diabetes (3rd), cancer (7th), and stroke (13th). Thus, there is a critical need to build a graduate nutrition program and produce graduate students who are well-trained in Human Nutrition in order to address these issues. Tuition fees are estimated to be \$38,584 (15 credit hours/year x 5 years for in-state tuition for graduate students without an assistantship). The cost of attendance may be offset by the graduate assistantships (0.5 FTE minimum assistantship is \$18540/year plus tuition waiver for doctoral students). With increases in diet-related chronic diseases and</p>

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	health-conscious consumers, there is a growing demand for nutritional scientists in government, academia, community organizations and food industry. The estimated starting salary ranges (big variations based on location and company) are from \$55,000 (post-docs) to \$100,000 (industry)2-5.

Upload attachments

[Human Nutrition Proposed PhD concentration-Final.docx](#)

Reviewer Comments

**Alice Griffin (agriffin) (12/19/22 1:15 pm):** NUTR 5233 - course in red is pending approval.

**Alice Griffin (agriffin) (12/20/22 3:43 pm):** ATTENTION REGISTRAR: Please remove the Undergraduate Council from the approval workflow.

**Alice Griffin (agriffin) (12/20/22 3:48 pm):** Hyperlinked two courses below course list to assure the correct course title is listed.

**Alice Griffin (agriffin) (12/20/22 3:50 pm):** Changed total hours field as requested by Registrar's Office.

**Gina Daugherty (gdaugher) (12/20/22 4:03 pm):** Removed Undergraduate Council from workflow.

Key: 937