

Date Submitted: 12/11/19 7:10 am

Viewing: **FDSCPH : Food Science, Doctor of Philosophy**

Last approved: 02/17/16 4:19 pm

Last edit: 03/10/20 8:09 am

Changes proposed by: hamilton

Catalog Pages Using this Program

[Food Science \(FDSC\)](#)

Submitter:	User ID:	hamilton calison	Phone:
		575-5299 575-6731	
Program Status	Active		
Academic Level	Graduate		
Type of proposal	Major/Field of Study		
Select a reason for this modification			
Making Minor Changes to an Existing Degree (e.g. changing 15 or fewer hours, changing admission/graduation requirements, adding/changing Focused Study or Track)			
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	Fall 2021		
College/School Code	Bumpers College of Agricultural, Food, and Life Sciences (AFLS)		

In Workflow

1. **AFLS Dean Initial**
2. **GRAD Dean Initial**
3. **Director of Program Assessment and Review**
4. **Registrar Initial**
5. **Institutional Research**
6. **FDSC Chair**
7. **FDSC Curriculum Committee**
8. **AFLS Faculty**
9. **AFLS Dean**
10. **Global Campus**
11. **Provost Review**
12. **University Course and Program Committee**
13. Graduate Committee
14. Faculty Senate
15. Provost Final
16. Provost's Office-- Notification of Approval
17. Registrar Final
18. Catalog Editor Final

Approval Path

1. 12/11/19 8:26 am
Lona Robertson (ljrobert): Approved for AFLS Dean Initial
2. 12/11/19 8:27 am
Pat Koski (pkoski):

Department Code

Department of Food Science (FDSC)

Program Code

FDSCPH

Degree

Doctor of Philosophy

CIP Code

Approved for GRAD

Dean Initial

3. 12/12/19 12:58 pm

Alice Griffin

(agriffin): Approved

for Director of

Program

Assessment and

Review

4. 12/13/19 6:04 pm

Lisa Kulczak

(lkulcza): Approved

for Registrar Initial

5. 12/16/19 10:22 am

Gary Gunderman

(ggunderm):

Approved for

Institutional

Research

6. 12/16/19 5:45 pm

Jeyamkondan

Subbiah (jsubbiah):

Approved for FDSC

Chair

7. 01/23/20 10:35 am

Nathan Kemper

(nkemper):

Approved for FDSC

Curriculum

Committee

8. 03/02/20 1:43 pm

Kate Shoulders

(cshoulde):

Approved for AFLS

Faculty

9. 03/03/20 9:10 am

Lona Robertson

(ljrobert): Approved

for AFLS Dean

- 10. 03/03/20 11:08 am
Suzanne Kenner
(skenner): Approved
for Global Campus
- 11. 03/07/20 9:16 am
Terry Martin
(tmartin): Approved
for Provost Review

History

- 1. Feb 17, 2016 by
Charlie Alison
(calison)

01.1001 - Food Science.

Program Title

Food Science, Doctor of Philosophy

Program Delivery

Method

On Campus

Is this program interdisciplinary?

No

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

No

What are the total hours needed to complete the program? **42**

Program Requirements and Description

Requirements

Admission to Doctor of Philosophy Degree Program: Applicants for acceptance into the interdepartmental doctoral program in food science must meet all of the requirements for admission to the Graduate School and the Department of Food Science. Students with a BS or M.S. degree in Food Science or related sciences from an accredited institution should have a GPA of no less than 3.0. All applicants to the Ph.D. program (B.S. and

M.S.) should have a minimum GRE score of 146 for verbal, 144 for quantitative and 3.0 for writing, suitable preparation for the food science graduate program, and be acceptable to the department. International students must also have a minimum TOEFL score of 79 internet-based/550 paper-based and 6.5 IELTS.

Requirements for the Doctor of Philosophy Degree: Upon acceptance to this program, the student will be assigned to a dissertation director from the department representing the student's selected area of **research concentration**. The dissertation director in consultation with the student and with the department head will select at least two suitable graduate faculty members from outside the student's own department to complete a committee of five members. The doctoral advisory committee chaired by the dissertation director will be responsible for supervision of the student's program development, and will serve as the examination committee for candidacy and final **examinations**. **The student's course work and dissertation topic will be supervised by the doctoral advisory committee.** ~~examinations:~~

~~The student's course work and dissertation topic will be supervised by the doctoral advisory committee.~~ For students holding an M.S. degree in a science **discipline**, ~~discipline and aside from deficiencies identified upon acceptance to the program,~~ a minimum of 24 semester hours of course credit and a minimum of 18 semester hours of Ph.D. dissertation research credit will be required. **At least 18 course credits of the 24 credits required must be from 5000-level or higher courses. Students are required to complete FDSC 5001 Seminar twice - one proposal seminar and one final seminar. Course deficiencies, if any, will be identified at the time of acceptance.**

~~Requirements include a minimum of 18 hours of 5000- and 6000-level courses.~~ For students holding a B.S. degree ~~in and aside from deficiencies identified upon acceptance to the program,~~ a **science discipline, a minimum of 48** ~~minimum of 42~~ semester hours of course **credit, a minimum of credit and a minimum of** 18 semester hours of Ph.D. dissertation research **credit, and a total of 72 semester hours of** credit will be required. **At least 32 course credits of the 48 credits required must be 5000-level or higher courses. Students are required to complete FDSC 5001 Seminar twice - one proposal seminar and one final seminar. Course deficiencies, if any, will be identified at the time of acceptance.**

~~Requirements include a minimum of 30 hours of 5000- and 6000-level courses and up to six hours from the Food Science core courses can be counted toward the 42 hours.~~ The student must maintain a grade-point average of 3.00 or higher. General requirements pertaining to the declaration of intent, admission to candidacy and residency are in accordance with the requirements set forth by the Graduate School of the University of Arkansas.

Students should also be aware of Graduate School requirements with regard to [doctoral degrees](#).

Are Similar Programs available in the area?

No

Estimated Student NA

Demand for Program

Scheduled Program **2022-2023** ~~NA~~

Review Date

Program Goals and Objectives

Program Goals and Objectives

The mission of the Department of Food Science is to serve as the primary source of higher education, fundamental and applied research, and public service associated with enhancing the wholesomeness, quality and availability of food, improving the health of Arkansas residents, and adding value to raw agricultural products with particular emphasis on products relevant to Arkansas. The Department of Food Science promotes programs for achieving regional, national and international recognition of excellence while contributing to the advancement of the quality of life and professional development for Arkansans.

NA

Learning Outcomes

Learning Outcomes

1. **Technical Knowledge** • Demonstrate advanced knowledge and understanding in their area of emphasis.
• Demonstrate sufficiently broad knowledge across food science and/or nutrition disciplines outside of their core specialty area.
2. **Research and Scientific Inquiry Skills** • Demonstrate scientific enquiry skills through the research performed. • Demonstrate quantitative skills through the analysis of research data.
3. **Communication Skills** • Demonstrate competency in written communication through their dissertation.
• Demonstrate competency in oral communication through their required seminars and oral defense. NA

Description and justification of the request

Description of specific change

Justification for this change

Description of specific change	Justification for this change
<p>1) Adjusted admission standards for GRE scores and TOEFL scores.</p> <p>2) Added statement that students must enroll in FDSC 5001 Seminar twice.</p> <p>3) Adjusted the total number of hours of credit for students entering the program with a B.S. only and how those hours must be met (the breakdown between course credit, dissertation and 5000-level or higher minimum). This added 12 hours of credit required for these students (previously 60 hours, now 72 hours).</p>	<p>1) These admission standards are more in line with the current acceptance practices for the department.</p> <p>2) This has always been the practice for this program. In order to be enforceable, the requirement must be stated in the official program requirements.</p> <p>3) This change was required to be in compliance with ADHE requirements of 72 hours graduate credit past the B.S. Breakdown in course credit determined to be 48 based on course credit for MS is 24 and course credit for PhD with an MS is 24. Minimum of 32 hours for 5000-level or higher determined similarly (14 for MS and 18 for PhD with MS). The 6 additional hours beyond the 48 for coursework and 18 for dissertation are left at the discretion of the committee on how to complete.</p>

Upload attachments

Reviewer Comments

Alice Griffin (agriffin) (12/12/19 12:46 pm): Inserted program review date. Also inserted program goals and student learning outcomes from the department's assessment plan. College is encouraged to review to verify that it is accurate and current.

Alice Griffin (agriffin) (12/12/19 12:51 pm): Hyper-linked course in program requirements.

Alice Griffin (agriffin) (12/12/19 12:57 pm): Minor edit in program requirement with input from submitter.

Alice Griffin (agriffin) (03/09/20 10:46 am): Changed effective date from fall 2020 to fall 2021. The request will not complete the approval process in time for the fall 2020 catalog.

Alice Griffin (agriffin) (03/10/20 8:09 am): Changed the word, concentration to research in the program requirements with permission from department.