

Date Submitted: 03/15/22 8:39 am

Viewing: **ANSCBS : Animal Science, Bachelor of Science in Agricultural, Food & Life Sciences**

Last approved: 05/18/21 4:47 pm

Last edit: 03/15/22 9:41 am

Changes proposed by: kcoffey

Catalog Pages Using
this Program
[Animal Science \(ANSC\)](#)

Submitter: User ID: jstarks Phone:
575-3745

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 Fall 2023

College/School Code

Bumpers College of Agricultural, Food, and Life Sciences (AFLS)

Department Code

Department of Animal Science (ANSC)

In Workflow

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

Approval Path

1. 03/15/22 8:49 am
Lona Robertson (ljrobert): Approved for AFLS Dean Initial
2. 09/28/22 10:47 am
Alice Griffin (agriffin): Approved for Director of Curriculum Review and Program Assessment
3. 09/28/22 3:31 pm
Gina Daugherty

Program Code ANSCBS
 Degree Bachelor of Science in Agricultural, Food & Life Sciences
 CIP Code

- (gdaugher):
 Approved for
 Registrar Initial
4. 09/28/22 4:10 pm
 Doug Miles
 (dmiles): Approved
 for Institutional
 Research
 5. 09/29/22 9:07 am
 Michael Looper
 (looper): Approved
 for ANSC Chair
 6. 12/05/22 12:37 pm
 Jefferson Miller
 (jdmiller): Approved
 for ANSC
 Curriculum
 Committee
 7. 12/09/22 12:39 pm
 Garry McDonald
 (gmcdonal):
 Approved for AFLS
 Faculty
 8. 12/09/22 2:30 pm
 Jeannie Hulen
 (jhulen): Approved
 for ARSC Dean
 9. 12/09/22 2:38 pm
 Lona Robertson
 (ljrobert): Approved
 for AFLS Dean
 10. 12/09/22 3:51 pm
 Suzanne Kenner
 (skenner): Approved
 for Global Campus
 11. 12/20/22 9:11 pm
 Jim Gigantino
 (jgiganti): Approved
 for Provost Review

History

1. Aug 15, 2014 by
Leepfrog
Administrator
(clhelp)
2. Dec 12, 2014 by
Andrew Fidler
(fidler)
3. May 4, 2015 by
Charlie Alison
(calison)
4. May 11, 2015 by
Charlie Alison
(calison)
5. Jun 1, 2017 by
Charlie Alison
(calison)
6. Apr 26, 2018 by
Jamie Newberry
(jstarks)
7. May 21, 2019 by
Lisa Kulczak (lkulcza)
8. May 6, 2020 by
Jamie Newberry
(jstarks)
9. Jun 18, 2020 by Lisa
Kulczak (lkulcza)
10. Jun 18, 2020 by Lisa
Kulczak (lkulcza)
11. May 18, 2021 by
Jamie Newberry
(jstarks)

01.0901 - Animal Sciences, General.

Program Title

Animal Science, Bachelor of Science in Agricultural, Food & Life Sciences

Program Delivery

Method

On Campus

Is this program interdisciplinary?

No

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

Yes ~~No~~

College(s)/School(s)

College/School Name

Fulbright College of Arts and Sciences (ARSC)

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

Program Requirements and Description

Requirements

Requirements for a Major in Animal Science

State minimum core and discipline specific general education requirements:

(Course work that meets state minimum core requirements is in bold.)

University Requirements	1
<u>UNIV 1001</u> University Perspectives	
Communications	12
<u>ENGL 1013</u> Composition I (ACTS Equivalency = ENGL 1013)	
<u>ENGL 1023</u> Composition II (ACTS Equivalency = ENGL 1023)	
Communication Intensive Electives (6 hrs) (See student degree audit for approved course list) <u>COMM 1313</u> is required for most Schools of Veterinary Medicine; Recommend AGED 3143, <u>AGED 4003</u> , or <u>COMM 1313</u> to fulfill Learning Outcome 1.2. Recommend <u>AGED 4003</u> or <u>COMM 1313</u> to fulfill Learning Outcome 5.1.	
U.S. History or Government	3
<u>HIST 2003</u> History of the American People to 1877 (ACTS Equivalency = HIST 2113)	
or <u>HIST 2013</u> History of the American People, 1877 to Present (ACTS Equivalency = HIST 2123)	
or <u>PLSC 2003</u> American National Government (ACTS Equivalency = PLSC 2003)	
Mathematics	3
<u>MATH 1203</u> College Algebra (ACTS Equivalency = MATH 1103)	
Biological Sciences	8
<u>BIOL 1543</u> Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture)	

& BIOL 1541L and Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)

BIOL 2013 General Microbiology (ACTS Equivalency = BIOL 2004 Lecture)
 & **BIOL 2011L** and General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab)

Chemical and Physical Sciences**8**

CHEM 1073 Fundamentals of Chemistry (ACTS Equivalency = CHEM 1214 Lecture)
 & **CHEM 1071L** and Fundamentals of Chemistry Laboratory (ACTS Equivalency = CHEM 1214 Lab)

or **CHEM 1103** University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture)
 & **CHEM 1101L** and University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)

Select 4 hours from the following:

CHEM 1123 University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture)
 & **CHEM 1121L** and University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)

CHEM 2613 Organic Physiological Chemistry (ACTS Equivalency = CHEM 1224 Lecture)
 & **CHEM 2611L** and Organic Physiological Chemistry Laboratory (ACTS Equivalency = CHEM 1224 Lab)

CHEM 3603 Organic Chemistry I
 & **CHEM 3601L** and Organic Chemistry I Laboratory

ENTO 1023 Insects, Science and Society
 & **ENTO 1021L** and Insects, Science and Society Lab

ENSC 1003 Environmental Science
 & **ENSC 1001L** and Environmental Science Laboratory

PHYS 2013 College Physics I (ACTS Equivalency = PHYS 2014 Lecture)
 & **PHYS 2011L** and College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab)

Fine Arts and Humanities**6**

Select 3 hours Fine Arts and 3 hours Humanities from State Minimum Core (see student degree audit for course list).

Social Sciences**9**

~~Select 9 hours Social Sciences courses from the State Minimum Core List.~~

Select 9 hours Social Sciences courses from State Minimum Core (see student degree audit for course list).

Animal Science Core Requirements (31 hours)

ANSC 1033 Introductory Animal Sciences **3**

<u>ANSC 1781</u>	Career Preparation and Development	1
<u>ANSC 2113</u> & <u>ANSC 2111L</u>	Introduction to Animal Evaluation and Handling and Introduction To Animal Evaluation and Handling Lab	4
<u>ANSC 3123</u>	Principles of Genetics	3
or <u>ANSC 3133</u>	Animal Breeding and Genetics	
<u>ANSC 3143</u> & <u>ANSC 3141L</u>	Principles of Animal Nutrition and Animal Nutrition Laboratory	4
<u>ANSC 3213</u>	Behavior of Domestic Animals	3
<u>ANSC 3033</u>	Animal Physiology	3
<u>ANSC 3433</u>	Fundamentals of Reproductive Physiology	3
<u>ANSC 4993</u>	Animal Science Capstone	3
Select 4 hours from the following:		4
<u>ANSC 4252</u>	Cow-Calf Management	
<u>ANSC 4262</u>	Swine Production	
<u>ANSC 4272</u>	Sheep Production	
<u>ANSC 4282</u>	Horse Production	
<u>ANSC 4452</u>	Milk Production	
<u>ANSC 4482</u>	Companion Animal Management	
<u>ANSC 4652</u>	Stocker-Feedlot Cattle Management	
<u>ANSC 4662</u>	Comparative Studies in Panamanian and US Agricultural Practices	
<u>ANSC 4662</u>	<u>Comparative Studies in Panamanian and US Agricultural Practices</u>	
<u>ANSC 410V</u>	Special Topics in Animal Sciences ((Study Abroad to New Zealand or Australia))	
Concentration Requirements		20- 21
General Electives – Students may need to take up to 12 hours of additional 3000 or above level courses to fulfill the 40 hour upper division requirements.		18- 19
Total Hours		120

8-Semester Plan

Are Similar Programs available in the area?

No

Estimated Student 120

Demand for Program

Scheduled Program 2024-2025

Review Date

Program Goals and

Objectives

Program Goals and Objectives

The Department of Animal Science will 1) perform research from discovery to application that benefits the production efficiency, animal health/well-being, food safety/security, and sustainability of animal agriculture, 2) recruit, educate, and prepare for the future, a new generation of citizens that will provide expertise in food production, animal health/well-being, as well as human health and nutrition, and 3) provide research-based livestock and forage information through non-formal educational methods for the sustainability and management of agricultural production systems to improve Arkansans quality of life.

Learning Outcomes

Learning Outcomes

1. Students will demonstrate an understanding of scientific knowledge and gain a basic foundation in the general animal sciences, including physiology, genetics, nutrition, muscle foods, as well as demonstrate production management skills.
2. Students will possess problem solving skills.
3. Students will possess critical thinking skills and objectively make decisions about contemporary issues based upon scientific facts rather than emotion.
4. Students will demonstrate basic oral (Outcome 4a) and written (Outcome 4b) communication skills and demonstrate the ability to write and present information in a professional manner.

Description and justification of the request

Description of specific change	Justification for this change
<p>We want to add CHEM 1103/01L as a potential option for our students in the Chemical and Physical Sciences category along with CHEM 1073/1071L. We are adding CHEM 1123/1121L as an option in Chemical and Physical sciences section.</p>	<p>We have a number of students transfer in CHEM 1103/01L and a number of students who change their concentration from the Pre-professional to the Animal Enterprises concentration after taking CHEM 1103/01L. By requiring either CHEM 1073/71L or CHEM 1123/21L we are forcing a number of our students to take an extra</p>

Description of specific change	Justification for this change
	chemistry course that they may not need depending on their career path.

Upload attachments

Reviewer Comments

Alice Griffin (agriffin) (03/15/22 9:41 am): Changed University Core to State Minimum Core for consistency with catalog language. The university is no longer using University Core.

Key: 73