

Date Submitted: 09/23/22 10:29 am

Viewing: **ANSCBS-PPRF : Animal Science: Pre-Professional Science Concentration**

Last approved: 03/29/21 9:16 am

Last edit: 09/27/22 12:48 pm

Changes proposed by: watkinsv

Catalog Pages Using this Program [Animal Science B.S.A. with Pre-Professional Science Concentration](#)
[Animal Science \(ANSC\)](#)

Submitter: User ID: lkulzca Phone: 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: Fall 2023

College/School Code: Bumpers College of Agricultural, Food, and Life Sciences (AFLS)
 Department Code: Department of Animal Science (ANSC)
 Program Code: ANSCBS-PPRF
 Degree: Bachelor of Science in Agricultural, Food & Life Sciences
 CIP Code: 01.0901 - Animal Sciences, General.
 Program Title: Animal Science: Pre-Professional Science Concentration
 Program Delivery Method: On Campus

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

College(s)/School(s):

What are the total hours needed to complete the program? 120 ~~20-24~~

Program Requirements and Description

- 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
(lrobert): Approved for AFLS Dean Initial
 2. 03/16/22 12:26 pm
Alice Griffin
(agriffin): Rollback to Initiator
 3. 09/09/22 3:28 pm
Lona Robertson
(lrobert): Approved for AFLS Dean Initial
 4. 09/12/22 2:38 pm
Alice Griffin
(agriffin): Rollback to Initiator
 5. 09/23/22 1:48 pm
Lona Robertson
(lrobert): Approved for AFLS Dean Initial
 6. 09/28/22 10:47 am
Alice Griffin
(agriffin): Approved for Director of Curriculum Review and Program Assessment
 7. 09/28/22 3:36 pm
Gina Daugherty
(gdaughter): Approved for Registrar Initial
 8. 09/28/22 4:09 pm
Doug Miles
(dmiles): Approved for Institutional Research
 9. 09/29/22 9:07 am
Michael Looper
(looper): Approved for ANSC Chair
 10. 12/05/22 12:37 pm
Jefferson Miller
(jdmiller): Approved for ANSC Curriculum Committee
 11. 12/09/22 12:40 pm
Garry McDonald
(gmcdonal): Approved for AFLS Faculty
 12. 12/09/22 2:31 pm
Jeannie Hulen
(jhulen): Approved for ARSC Dean
 13. 12/09/22 2:37 pm
Lona Robertson
(lrobert): Approved for AFLS Dean
 14. 12/09/22 3:51 pm
Suzanne Kenner
(skenner): Approved for Global Campus
 15. 12/20/22 9:11 pm
Jim Gigantino
(jgiganti): Approved for Provost Review

- History**
1. Aug 15, 2014 by Leepfrog Administrator (clhelp)
 2. Feb 18, 2015 by Andrew Fidler (fidler)
 3. May 4, 2015 by Charlie Allison (calison)

- 4. May 4, 2015 by Charlie Allison (calison)
- 5. May 11, 2015 by Charlie Allison (calison)
- 6. May 11, 2015 by Charlie Allison (calison)
- 7. Jun 1, 2017 by Charlie Allison (calison)
- 8. Apr 26, 2018 by Vicky Watkins (watkinsv)
- 9. Apr 26, 2018 by Charlie Allison (calison)
- 10. May 21, 2019 by Lisa Kulczak (lkulcza)
- 11. May 6, 2020 by Jamie Newberry (jstarks)
- 12. Dec 10, 2020 by Karen Turner (kivestal)
- 13. Mar 29, 2021 by Lisa Kulczak (lkulcza)

Requirements for Pre-Professional Science Concentration

Pre-Professional Requirements (20-21 hours)

CHEM 3613 & CHEM 3611L	Organic Chemistry II and Organic Chemistry II Laboratory	4
CHEM 3813	Elements of Biochemistry	3
BIOL 1603 & BIOL 1601L or BIOL 2533	Principles of Zoology (ACTS Equivalency = BIOL 1054 Lecture) and Principles of Zoology Laboratory (ACTS Equivalency = BIOL 1054 Lab) Cell Biology	3-4
PHYS 2013 & PHYS 2011L	College Physics I (ACTS Equivalency = PHYS 2014 Lecture) and College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab)	4
PHYS 2033 & PHYS 2031L	College Physics II (ACTS Equivalency = PHYS 2024 Lecture) and College Physics II Laboratory (ACTS Equivalency = PHYS 2024 Lab)	4
Select 2 hours from the following (in addition to those taken for the core requirement):		2
ANSC 4252	Cow-Calf Management	
ANSC 4262	Swine Production	
ANSC 4272	Sheep Production	
ANSC 4282	Horse Production	
ANSC 4452	Milk Production	
ANSC 4482	Companion Animal Management	
ANSC 4652	Stockler-Feedlot Cattle Management	
ANSC 4662	Comparative Studies in Panamanian and US Agricultural Practices	
ANSC 410V	Special Topics in Animal Sciences (Study Abroad to New Zealand or Australia)	
Total Hours		20-21

8-Semester Plan

Animal Science B.S.A. with Pre-Professional Science Concentration

Eight-Semester Degree Program

Students wishing to follow the degree plan should see the [Eight Semester Degree Policy](#) for university requirements of the program. (*See degree audit in UAConnect for complete course list.)

First Year	Units
	Fall/Spring
UNIV 1001 University Perspectives	1
ENGL 1013 Composition I (ACTS Equivalency = ENGL 1013) (Satisfies General Education Outcome 1.1)	3
ANSC 1033 Introductory Animal Sciences	3
MATH 1203 College Algebra (ACTS Equivalency = MATH 1103) (Satisfies General Education Outcome 2.1)	3
BIOL 1543 Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture)	4
& BIOL 1541L Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)	
(Satisfies General Education Outcome 3.4)	
ANSC 1781 Career Preparation and Development	1
ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023) (Satisfies General Education Outcome 1.1)	3
Social Sciences State Minimum Core Elective (Satisfies General Education Outcome 3.3)	3
ANSC 2113 Introduction to Animal Evaluation and Handling	4
& ANSC 2111L Introduction To Animal Evaluation and Handling Lab	
General Elective (Recommend CHEM 1103/1101L University Chemistry I w/lab)	- 4
General Elective (1-hour)	- 1
General Elective (Recommend ANSC 1062 Sustainable Integrated Small Animal Farming)	= 2
CHEM 1103 University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture)	= 4
& CHEM 1101L University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)	
(Satisfies General Education Outcome 3.4)	
Year Total:	15 16
	Units
	Fall/Spring
Communication Intensive Elective (Satisfies General Education Outcomes 1.2 and 5.1) ¹	3
(Satisfies General Education Outcome 3.4)	
CHEM 1123 University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture)	4
& CHEM 1121L University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)	
ANSC 3213 Behavior of Domestic Animals	3
U.S. History or Government State Minimum Core Elective (Satisfies General Education Outcome 4.2)	3 -
Fine Arts or Humanities State Minimum Core Elective (Satisfies General Education Outcome 3.1 or 3.2) ^{2,3}	3 -
BIOL 2013 General Microbiology (ACTS Equivalency = BIOL 2004 Lecture)	4
& BIOL 2011L General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab)	
or ANSC 2413 and ANSC 2411L	
General Elective	1
BIOL 2013 General Microbiology (ACTS Equivalency = BIOL 2004 Lecture)	- 4
& BIOL 2011L General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab)	
General Elective	- 2
Fine Arts or Humanities State Minimum Core Elective (Satisfies General Education Outcome 3.1 or 3.2) ^{2,3}	- 3
Chemical and Physical Sciences Elective ⁴	- 4
Communication Intensive Elective (Satisfies General Education Outcomes 1.2 and 5.1) ¹	- 3
U.S. History or Government State Minimum Core Elective (Satisfies General Education Outcome 4.2)	= 3
General Elective (Recommend MATH 1213)	= 3
Social Sciences Core Elective (Satisfies General Education Outcome 3.3)	= 3
Fine Arts or Humanities State Minimum Core Elective (Satisfies General Education Outcome 3.1 or 3.2 & 5.1) ^{2,3}	= 3
CHEM 3603 Organic Chemistry I	= 4
& CHEM 3601L Organic Chemistry I Laboratory	
Year Total:	15 16
	Units
	Fall/Spring
ANSC 3433 Fundamentals of Reproductive Physiology	3
ANSC 3143 Principles of Animal Nutrition	4
& ANSC 3141L Animal Nutrition Laboratory	
PHYS 2013 College Physics I (ACTS Equivalency = PHYS 2014 Lecture)	4 -
& PHYS 2011L College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab)	
Communication Intensive Elective (Satisfies General Education Outcomes 1.2 and 5.1) ¹	3
CHEM 3613 Organic Chemistry II	4
& CHEM 3611L Organic Chemistry II Laboratory	
Social Sciences Core Elective (Satisfies General Education Outcome 3.3 and 4.1) ⁴	3
ANSC Core Elective	2-4
ANSC 2033 Animal Physiology	3
PHYS 2033 College Physics II (ACTS Equivalency = PHYS 2024 Lecture)	- 4
& PHYS 2031L College Physics II Laboratory (ACTS Equivalency = PHYS 2024 Lab)	
BIOL 1603 Principles of Zoology (ACTS Equivalency = BIOL 1054 Lecture)	- 4
& BIOL 1601L Principles of Zoology Laboratory (ACTS Equivalency = BIOL 1054 Lab)	
or BIOL 2533 Cell Biology	
CHEM 3813 Elements of Biochemistry	= 3
General Elective	2-4
Fine Arts or Humanities State Minimum Core Elective (Satisfies General Education Outcome 3.1 or 3.2 & 5.1) ^{2,3}	3
Year Total:	17 15
	Units
	Fall/Spring
Social Sciences State Minimum Core Elective (Satisfies General Education Outcome 3.3)	3 -
ANSC Core Elective	2 -
ANSC 3123 Principles of Genetics	3
or ANSC 3133 Animal Breeding and Genetics	
CHEM 3813 Elements of Biochemistry	3 -
ANSC Core Elective or General Elective	4
BIOL 1603 Principles of Zoology (ACTS Equivalency = BIOL 1054 Lecture)	4
& BIOL 1601L Principles of Zoology Laboratory (ACTS Equivalency = BIOL 1054 Lab)	
or BIOL 2533 Cell Biology	
PHYS 2013 College Physics I (ACTS Equivalency = PHYS 2014 Lecture)	4
& PHYS 2011L College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab)	
PPRF Requirements Elective ⁴	- 2
Social Science State Minimum Core Elective (Satisfies General Education Outcomes 3.3 and 4.1) ⁴	- 3
ANSC 4993 Animal Science Capstone (Satisfies General Education Outcome 6.1)	3
General Electives	- 5
General Electives (Recommend STAT 2303)	= 3-4
PHYS 2033 College Physics II (ACTS Equivalency = PHYS 2024 Lecture)	= 4
& PHYS 2031L College Physics II Laboratory (ACTS Equivalency = PHYS 2024 Lab)	
Year Total:	15 11
Total Units in Sequence:	120

¹ Recommend [COMM 1313](#) or [AGED 4003](#) to satisfy General Education Outcomes 1.2 and 5.1. See academic adviser for complete list of Communication Intensive courses. [COMM 1313](#) is required for most Schools of Veterinary Medicine.

² The Fine Arts Elective courses which satisfy General Education Outcome 3.1 include:

[ARCH 1003](#), [ARHS 1003](#), [COMM 1003](#), [DANC 1003](#), [LARC 1003](#), [MLIT 1003](#), [MLIT 1003H](#),

[MLIT 1013](#), [MLIT 1013H](#), [MLIT 1333](#), [THTR 1003](#), [THTR 1013](#), or [THTR 1013H](#).

³ The Humanities Elective courses which satisfy General Education Outcomes 3.2 and 5.1 include: [CLST 1003](#), [CLST 1003H](#), [CLST 1013](#), [HJMN 1124H](#), [PHIL 2003](#), [PHIL 2003C](#), [PHIL 2003H](#), [PHIL 2103](#), or [PHIL 2103C](#).

⁴ The Social Science Elective courses which satisfy General Education Outcomes 3.3 and 4.1 include: [ANTH 1023](#), [COMM 1023](#), [HDFS 1403](#), [HDFS 2413](#), [HIST 1113](#), [HIST 1113H](#), [HIST 1123](#), [HIST 1123H](#), [HIST 2093](#), [HJMN 1114H](#), [HJMN 2114H](#), [INST 2813](#), [INST 2813H](#), [PLSC 2013](#), [PLSC 2813](#), [PLSC 2813H](#), [RESM 2853](#), [SOCL 2013](#), [SOCL 2013H](#), or [SOCL 2033](#).

Are Similar Programs available in the area?	No
Estimated Student Demand for Program	100
Scheduled Program Review Date	See ANSCBS
Program Goals and Objectives	
Program Goals and Objectives	
See ANSCBS program requirements.	
Learning Outcomes	
Learning Outcomes	
See ANSCBS program requirements.	

Description and justification of the request	
Description of specific change	Justification for this change
Changes to semester plan to reflect current course semester offerings.	Some courses were listed in semesters in which they were not offered.

Upload attachments

Reviewer Comments

Alice Griffin (agriffin) (03/15/22 10:01 am): Removed INST 2013 from footnote 4. Course has been deleted.

Alice Griffin (agriffin) (03/15/22 10:23 am): Changed History Core to U.S. History or Government State Minimum Core for catalog consistency.

Alice Griffin (agriffin) (03/16/22 12:26 pm): Rollback: Please review the eight semester plan and make sure that all eleven general education outcomes are listed and match the footnotes accordingly.

Alice Griffin (agriffin) (09/12/22 2:38 pm): Rollback: Please review email to address General Education Outcomes and footnote concerns. Thank you.

Alice Griffin (agriffin) (09/27/22 12:48 pm): Changed total hours to 120 hours to reflect total hours for program as requested by Registrar.