

Date Submitted: 01/24/20 10:33 am

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

Last approved: 05/21/19 11:26 am

Last edit: 03/09/20 10:30 am

Changes proposed by: jstarks

Catalog Pages Using
this Program

[Animal Science B.S.A. with Pre-Professional Science Concentration](#)

[Animal Science \(ANSC\)](#)

Submitter: User ID: **jstarks Hkuleza** Phone:
575-3745 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 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. **Director of Program Assessment and Review**
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. **University Course and Program Committee**
13. Faculty Senate
14. Provost Final
15. Provost's Office-- Notification of Approval
16. Registrar Final
17. Catalog Editor Final

Approval Path

1. 01/08/20 2:07 pm
Lona Robertson (ljrobert): Approved for AFLS Dean Initial
2. 01/10/20 8:40 am
Alice Griffin (agriffin): Rollback to Initiator

Department Code

Department of Animal Science (ANSC)

Program Code

ANSCBS-PPRF

Degree

Bachelor of Science in Agricultural, Food & Life Sciences

CIP Code

3. 01/24/20 11:19 am
Lona Robertson
(ljrobert): Approved
for AFLS Dean Initial
4. 01/31/20 12:20 pm
Alice Griffin
(agriffin): Approved
for Director of
Program
Assessment and
Review
5. 02/10/20 1:02 pm
Lisa Kulczak
(lkulcza): Approved
for Registrar Initial
6. 02/10/20 1:06 pm
Gary Gunderman
(ggunderm):
Approved for
Institutional
Research
7. 02/10/20 7:39 pm
Michael Looper
(looper): Approved
for ANSC Chair
8. 02/11/20 9:37 am
Nathan Kemper
(nkemper):
Approved for ANSC
Curriculum
Committee
9. 03/02/20 1:41 pm
Kate Shoulders
(cshoulde):
Approved for AFLS
Faculty
10. 03/02/20 3:13 pm
Jeannie Hulen
(jhulen): Approved
for ARSC Dean

11. 03/03/20 8:30 am
Lona Robertson
(ljrobert): Approved
for AFLS Dean
12. 03/03/20 11:07 am
Suzanne Kenner
(skenner): Approved
for Global Campus
13. 03/07/20 9:15 am
Terry Martin
(tmartin): 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 Alison
(calison)
4. May 4, 2015 by
Charlie Alison
(calison)
5. May 11, 2015 by
Charlie Alison
(calison)
6. May 11, 2015 by
Charlie Alison
(calison)
7. Jun 1, 2017 by
Charlie Alison
(calison)
8. Apr 26, 2018 by
Vicky Watkins
(watkinsv)

9. Apr 26, 2018 by
Charlie Alison
(calison)
10. May 21, 2019 by
Lisa Kulczak (lkulcza)

01.0901 - Animal Sciences, General.

Program Title

Animal Science: Pre-Professional Science Concentration

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?

20-21 ~~120~~

Program Requirements and Description

Requirements

Requirements for a Major in Animal Science (ANSC) with Pre-Professional Science (PPRF) Concentration

University Requirements

1

UNIV-1001 University Perspectives

Communications

12

ENGL-1013 Composition I (ACTS Equivalency = ENGL-1013)

ENGL-1023 Composition II (ACTS Equivalency = ENGL-1023)

COMM-1313 Public Speaking (ACTS Equivalency = SPCH-1003)

3-hours of Communication Intensive Elective (See degree audit in UAConnect for complete list)		
History or Government		3
HIST-2003	History of the American People to 1877 (ACTS Equivalency = HIST-2113)	
or HIST-2013	History of the American People, 1877 to Present (ACTS Equivalency = HIST-2123)	
or PLSC-2003	American National Government (ACTS Equivalency = PLSC-2003)	
Mathematics		3
MATH 1213	Plane Trigonometry (ACTS Equivalency = MATH-1203)	
Sciences		8
BIOL 1543	Principles of Biology (ACTS Equivalency = BIOL-1014 Lecture)	
& BIOL-1541L	and Principles of Biology Laboratory (ACTS Equivalency = BIOL-1014 Lab)	
CHEM 1123	University Chemistry II (ACTS Equivalency = CHEM-1424 Lecture)	
& CHEM-1121L	and University Chemistry II Laboratory (ACTS Equivalency = CHEM-1424 Lab)	
Fine Arts and Humanities		6
Select 3 hours Fine Arts and 3 hours Humanities from University Core List.		
Social Sciences		9
Select 9 hours Social Sciences from University Core List.		
ANSC Core Requirements		22
ANSC-1001L	Introductory to Animal Sciences Laboratory	
ANSC-1032	Introductory Animal Sciences	
ANSC-1041	Introduction to Companion Animal Industry	
or ANSC-1051	Introduction to the Livestock Industry	
ANSC-2252L	Introduction to Livestock and Meat Evaluation	
ANSC-2781	Career Preparation and Development	
ANSC-3123	Principles of Genetics	
ANSC-3143	Principles of Animal Nutrition	
ANSC-3433	Fundamentals of Reproductive Physiology	
ANSC-4142	Advanced Animal Handling Techniques	
PPRF Requirements		20-
<u>CHEM 3613</u>	Organic Chemistry II	21
& <u>CHEM 3611L</u>	and Organic Chemistry II Laboratory	
<u>CHEM 3813</u>	Elements of Biochemistry	
<u>BIOL 1603</u>	Principles of Zoology (ACTS Equivalency = BIOL 1054 Lecture)	
& <u>BIOL 1601L</u>	and Principles of Zoology Laboratory (ACTS Equivalency = BIOL 1054 Lab)	
or <u>BIOL 2533</u>	Cell Biology	
BIOL-2013	General Microbiology (ACTS Equivalency = BIOL-2004 Lecture)	
& BIOL-2011L	and General Microbiology Laboratory (ACTS Equivalency = BIOL-2004 Lab)	
CHEM 1103	University Chemistry I (ACTS Equivalency = CHEM-1414 Lecture)	
& CHEM-1101L	and University Chemistry I Laboratory (ACTS Equivalency = CHEM-1414 Lab)	
CHEM-3603	Organic Chemistry I	

~~& CHEM 3601L and Organic Chemistry I Laboratory~~

PHYS 2013	College Physics I (ACTS Equivalency = PHYS 2014 Lecture)
& PHYS 2011L	and College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab)
PHYS 2033	College Physics II (ACTS Equivalency = PHYS 2024 Lecture)
& PHYS 2031L	and College Physics II Laboratory (ACTS Equivalency = PHYS 2024 Lab)

~~Discipline-Related Electives~~

~~10~~

~~Select 10 hours from the following:~~

~~Suggested electives:~~

BIOL 2533	Cell Biology
MATH 2554C	Calculus I (ACTS Equivalency = MATH 2405)
STAT 2303	Principles of Statistics (ACTS Equivalency = MATH 2103)
or STAT 2023	Biostatistics

~~Other discipline-related electives:~~

ANSC 2003	Introduction to Equine Industry
ANSC 2213	Behavior of Domestic Animals
ANSC 2303L	Introduction to Horsemanship
ANSC 3072	Equine Selection and Evaluation
ANSC 3282	Livestock Judging and Selection
ANSC 3291	Livestock Junior Judging Team Activity
ANSC 3491L	Artificial Insemination in Cattle
ANSC 3723	Horse and Livestock Merchandising
ANSC 3753	Equine Assisted Activities and Therapies
ANSC 400V	Special Problems
ANSC 401V	Internship in Animal Sciences
ANSC 4072	Advanced Equine Selection and Evaluation

Select 2 hours from the following (In addition to those taken for the core requirement):

ANSC 4252	Cow-Calf Management
ANSC 4262	Swine Production
ANSC 4272	Sheep Production
ANSC 4283	Horse Production
ANSC 4282	Course ANSC 4282 Not Found
ANSC 4452	Milk Production
ANSC 4482	Companion Animal Management
ANSC 4652	Stocker-Feedlot Cattle Management

~~Animal Science Electives~~

~~6~~

~~Select 6 hours from the following:~~

ANSC 3003	Applied Animal Parasitology
ANSC 3013	Parasitisms of Domesticated Non-Herbivores
ANSC 3133	Animal Breeding and Genetics
ANSC 3152	Applied Animal Nutrition

& **ANSC 3151L** and **Course ANSC 3151L Not Found**

- ANSC 3333 Diseases of Livestock
- ANSC 3613 Meat Science
- ANSC 4163 Companion Animal Nutrition
- ANSC 4303 Comparative Veterinary Anatomy
- ANSC 4552 Forage-Ruminant Relations

Pre-Professional/Science Concentration

35

ANSC 3032 **Course ANSC 3032 Not Found**

ANSC 3042 **Course ANSC 3042 Not Found**

ANSC 4662 **Course ANSC 4662 Not Found**

ANSC 410V Special Topics in Animal Sciences ((Study Abroad to New Zealand or Australia))

- ANSC 4123 Legal Issues in Animal Agriculture
- ANSC 4173 Thoroughbred Horse Industry
- ANSC 4291 Livestock Senior Judging Team Activity
- AFLS 400VH Honors Thesis
- AGEC 1103 Principles of Agricultural Microeconomics
- AGEC 2103 Principles of Agricultural Macroeconomics
- AGEC 2303 Introduction to Agribusiness
- AGME 2903** **Course AGME 2903 Not Found**
- BIOL 2531L Cell Biology Laboratory
- BIOL 2533 Cell Biology
- CESES 1203 Introduction to Plant Sciences
- CESES 2013 Pest Management
- CHEM 2261L Analytical Chemistry Laboratory
- CHEM 2263 Analytical Chemistry Lecture
- POSC 2353 Poultry Breeder Management
- ACCT 2013 Accounting Principles
- BLAW 2013 The Legal Environment of Business (ACTS Equivalency = BLAW 2003)

Or any upper division course in AGECE, AGED, AGME, AGST, BIOL, CHEM, CESES, FDSC, HORT, POSC, or WCOB:

General Electives

5

Total Hours

20-

21

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

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
	FallSpring
<u>UNIV 1001</u> University Perspectives	1
<u>ENGL 1013</u> Composition I (ACTS Equivalency = ENGL 1013)	3
ANSC 1032 Introductory Animal Sciences	2 -
ANSC 1001L Introductory to Animal Sciences Laboratory	1 -
General Elective (MATH 1203 if needed as a prerequisite for MATH 1213)	3 -
CHEM 1103 University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture)	4 -
& CHEM 1101L University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)	
ANSC 1041 Introduction to Companion Animal Industry	1 -
or ANSC 1051 Introduction to the Livestock Industry	
ANSC 1033 Course ANSC 1033 Not Found	3
MATH 1203 College Algebra (ACTS Equivalency = MATH 1103)	3
BIOL 1543 Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture)	4
& BIOL 1541L Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)	
ANSC 1781 Course ANSC 1781 Not Found	1
CHEM 1123 University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture)	- 4
& CHEM 1121L University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)	
<u>ENGL 1023</u> Composition II (ACTS Equivalency = ENGL 1023)	3
Social Sciences Core Elective	3
BIOL 1543 Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture)	- 4
& BIOL 1541L Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)	
ANSC 2252L Introduction to Livestock and Meat Evaluation	- 2
ANSC 2113 Course ANSC 2113 Not Found	4
& ANSC 2111L Course ANSC 2111L Not Found	
General Elective (recommended CHEM 1103/1101L University Chemistry I w/lab)	4
General Elective (1 hour)	1
Year Total:	15 15
Second Year	Units
	FallSpring
Communication Intensive Elective*	3
ANSC 2781 Career Preparation and Development	1 -
CHEM 3603 Organic Chemistry I	4 -
& CHEM 3601L Organic Chemistry I Laboratory	

BIOL 1603 Principles of Zoology (ACTS Equivalency = BIOL 1054 Lecture)	4	-
& BIOL 1601L Principles of Zoology Laboratory (ACTS Equivalency = BIOL 1054 Lab)		
MATH 1213 Plane Trigonometry (ACTS Equivalency = MATH 1203)	3	-
CHEM 1123 University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture)	4	
& CHEM 1121L University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)		
or CHEM 1073 and CHEM 1071L		
ANSC 3213 Course ANSC 3213 Not Found	3	
US History or Government Core Elective*	3	
Fine Arts/Humanities Core Elective*	3	
ANSC 3143 Principles of Animal Nutrition	-	3
CHEM 3613 Organic Chemistry II	-	4
& CHEM 3611L Organic Chemistry II Laboratory		
BIOL 2013 General Microbiology (ACTS Equivalency = BIOL 2004 Lecture)	4	
& BIOL 2011L General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab)		
General Elective		2
COMM 1313 Public Speaking (ACTS Equivalency = SPCH 1003)	-	3
Fine Arts/Humanities Core Elective*	3	
Chemical and Physical Sciences Elective**	4	
Communication Intensive Elective*	3	
Year Total:	16	16

Third Year

Units

Fall/Spring

ANSC 3032 Course ANSC 3032 Not Found	2	-
CHEM 3813 Elements of Biochemistry	3	-
Fine Arts/Humanities Core Elective*	3	-
ANSC 3123 Principles of Genetics	3	-
Discipline-related Elective* (MATH 2554 suggested)	4	-
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)		
CHEM 3613 Organic Chemistry II	4	
& CHEM 3611L Organic Chemistry II Laboratory		
ANSC 3042 Course ANSC 3042 Not Found	-	2
ANSC Core Elective*		2
Social Science Core Elective*	-	3
Discipline-related Elective* (STAT 2303 & BIOL 2533 suggested)	-	6
Fine Arts/Humanities Core Elective*	-	3
General Elective		2-3

<u>ANSC 3033</u> Animal Physiology	3
<u>PHYS 2033</u> College Physics II (ACTS Equivalency = PHYS 2024 Lecture)	4
& <u>PHYS 2031L</u> College Physics II Laboratory (ACTS Equivalency = PHYS 2024 Lab)	
<u>BIOL 1603</u> Principles of Zoology (ACTS Equivalency = BIOL 1054 Lecture)	4
& <u>BIOL 1601L</u> Principles of Zoology Laboratory (ACTS Equivalency = BIOL 1054 Lab)	
or <u>BIOL 2533</u> Cell Biology	
Year Total:	15 15

Fourth Year	Units
	FallSpring
ANSC 3433 Fundamentals of Reproductive Physiology	3 -
ANSC 4142 Advanced Animal Handling Techniques	2 -
PHYS 2013 College Physics I (ACTS Equivalency = PHYS 2014 Lecture)	4 -
& PHYS 2011L College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab)	
Social Sciences Core Elective*	3
History/Government Core Elective*	3 -
ANSC Core Elective*	2
General Elective	4
<u>ANSC 3123</u> Principles of Genetics	3
or <u>ANSC 3133</u> Animal Breeding and Genetics	
<u>CHEM 3813</u> Elements of Biochemistry	3
ANSC Electives and/or ANSC Core*	- 6
PHYS 2033 College Physics II (ACTS Equivalency = PHYS 2024 Lecture)	- 4
& PHYS 2031L College Physics II Laboratory (ACTS Equivalency = PHYS 2024 Lab)	
PPRF Requirements Elective*	2
Social Science Core Elective*	3
<u>ANSC 4993</u> <u>Course ANSC 4993 Not Found</u>	3
General Electives	5
Year Total:	15 13

Total Units in Sequence: 120

Are Similar Programs available in the area?

No

Estimated Student 100

Demand for Program

Scheduled Program **See ANSCBS March**

Review Date **2015**

Program Goals and Objectives

Program Goals and Objectives

See ANSCBS program requirements. ~~Program Goals and Objective unchanged.~~

Learning Outcomes

Learning Outcomes

See ANSCBS program requirements. ~~Learning Outcomes unchanged.~~

Description and justification of the request

Description of specific change	Justification for this change
<p>Cleaning up for catalog, per Alice Griffin request</p> <p>A number of courses were modified, new core courses were developed and the ANSC core was modified. The ANSC Pre-professional Science concentration is a modification of our previous Animal Science Pre-professional concentration.</p>	<p>Cleaning up for catalog, per Alice Griffin request</p> <p>Existing courses were modified and new courses were developed to better address the needs of our students. The ANSC core was modified to include the new and modified core classes as well as update our curriculum. These modifications were made to better meet the needs of our students and their changing demographics. Our core curriculum has not changed appreciably in at least 25 years, but our student demographics have changed dramatically. Also, our current core was not the same across the different concentrations, so this modification had to be addressed.</p> <p>The ANSC Pre-professional Science concentration was modified from the previous ANSC Pre-professional Concentration to better address the needs of our current and projected student populations and more closely address entrance requirements of professional schools.</p>

Upload attachments

Reviewer Comments

Alice Griffin (agriffin) (01/10/20 8:40 am): Rollback: Please remove general requirements and edit as discussed.

Alice Griffin (agriffin) (01/27/20 1:36 pm): Cleaned up header in program requirements field with permission from submitter.

Alice Griffin (agriffin) (01/27/20 1:39 pm): Courses in red box have been submitted for approval.

Alice Griffin (agriffin) (01/29/20 3:34 pm): Changed ANSC 2254 to ANSC 2113/2111L in first year spring with permission from submitter.

Alice Griffin (agriffin) (01/31/20 12:20 pm): Revised scheduled program review date.

Alice Griffin (agriffin) (03/09/20 10:30 am): Changed effective date from fall 2020 to fall 2021. The request did not reach UCPC by the fall 2020 catalog deadline.