

Program Change Request

Date Submitted: 10/13/17 8:41 am

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

Last approved: 06/01/17 8:32 am

Last edit: 10/16/17 5:25 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: crsleaf1 Phone: 575-5917

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 Focused Study)

Are you adding a concentration? No

Are you adding a track? No

Are you adding a focused study? No

Effective Catalog Year Fall 2018

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?

No

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

Yes

In Workflow

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

Approval Path

1. 09/11/17 8:40 am
Michael Evans (mrevans): Rollback to Initiator
2. 10/10/17 1:55 pm
Michael Evans (mrevans): Approved for AFLS Dean Initial
3. 10/11/17 10:35 am
Alice Griffin (agriffin): Rollback to Initiator
4. 10/13/17 9:12 am
Michael Evans (mrevans): Approved for AFLS Dean Initial
5. 10/13/17 12:06 pm
Alice Griffin (agriffin): Approved for Director of

College(s)/School(s)	<p style="text-align: center;">College/School Name</p> <p>Fulbright College of Arts and Sciences(ARSC)</p>	<p>Program Assessment and Review</p>
<p>What are the total hours needed to complete the program?</p>	<p>120</p>	<p>6. 10/16/17 5:25 pm Lisa Kulczak (lkulcza): Approved for Registrar Initial</p> <p>7. 10/17/17 8:27 am</p>
<p>Program Requirements and Description</p>		<p>Michael Looper (looper): Approved for ANSC Chair</p>
<p>Requirements</p>	<p>Requirements for a Major in Animal Science (ANSC) with Pre-Professional Science concentration</p>	<p>8. 10/17/17 9:05 am Michael Thomsen (mthomsen): Approved for ANSC Curriculum Committee</p>
<p>State minimum core and discipline specific general education requirements: (Course work that meets state minimum core requirements is in bold.)</p>		<p>9. 10/30/17 2:21 pm Nick Anthony (nanthony): Approved for AFLS Faculty</p> <p>10. 11/01/17 9:52 am Jeannine Durdik (jdurdik): Approved for ARSC Dean</p> <p>11. 11/02/17 7:56 am Michael Evans (mrevans): Approved for AFLS Dean</p> <p>12. 11/03/17 9:02 am Kiersten Bible (kbible): Approved for Global Campus</p> <p>13. 11/06/17 7:50 am Terry Martin (tmartin): Approved for Provost Review</p>
		<p>History</p>
		<p>1. Aug 15, 2014 by Leepfrog Administrator (clhelp)</p> <p>2. Feb 18, 2015 by Andrew Fidler (fidler)</p> <p>3. May 4, 2015 by Charlie Alison (calison)</p>

University Requirements			
UNIV 1001	University Perspectives (Sp, Su, Fa)		
Communications			
ENGL 1013	Composition I (ACTS Equivalency = ENGL 1013) (Sp, Su, Fa)		4. May 4, 2015 by Charlie Alison (calison) 12
ENGL 1023	Composition II (ACTS Equivalency = ENGL 1023) (Sp, Su, Fa)		5. May 11, 2015 by Charlie Alison (calison)
COMM 1313	Public Speaking (ACTS Equivalency = SPCH 1003) (Sp, Su, Fa)		6. May 11, 2015 by Charlie Alison 3 (calison)
	Communication Intensive Elective 3 hours (See degree audit in UACconnect for complete list)		7. Jun 1, 2017 by Charlie Alison (calison) 3
History or Government			
HIST 2003	History of the American People to 1877 (ACTS Equivalency = HIST 2113) (Sp, Su, Fa)		
or HIST 2013	History of the American People, 1877 to Present (ACTS Equivalency = HIST 2123) (Sp, Su, Fa)		
or PLSC 2003	American National Government (ACTS Equivalency = PLSC 2003) (Sp, Su, Fa)		
Mathematics			
MATH 1213	Plane Trigonometry (ACTS Equivalency = MATH 1203) (Sp, Su, Fa)		
Sciences			8
BIOL 1543	Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) (Sp, Su, Fa)		
& BIOL 1541L	and Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab) (Sp, Su, Fa)		
CHEM 1123	University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) (Sp, Su, Fa)		
& CHEM 1121L	and University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab) (Sp, Su, Fa)		
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 (Sp, Fa)		
ANSC 1032	Introductory Animal Sciences (Sp, Fa)		
ANSC 1041	Introduction to Companion Animal Industry (Sp, Fa)		
or ANSC 1051	Introduction to the Livestock Industry (Sp, Fa)		
ANSC 2252L	Introduction to Livestock and Meat Evaluation (Sp)		
ANSC 2781	Career Preparation and Development (Fa)		
ANSC 3123	Principles of Genetics (Fa)		
ANSC 3143	Principles of Animal Nutrition (Sp)		
ANSC 3433	Fundamentals of Reproductive Physiology (Fa)		
ANSC 4142	Advanced Animal Handling Techniques (Sp, Fa)		
	Select four hours from the following:		
ANSC 4252	Cow-Calf Management (Fa)		
ANSC 4262	Swine Production (Even years, Fa)		
ANSC 4272	Sheep Production (Odd years, Sp)		
ANSC 4283	Horse Production (Sp)		
ANSC 4452	Milk Production (Sp)		
ANSC 4482	Companion Animal Management (Fa)		
ANSC 4652	Stocker-Feedlot Cattle Management (Sp)		
Animal Science Electives			6
	Select 6 hours from the following:		
ANSC 3003	Applied Animal Parasitology (Even years, Sp, Fa)		
ANSC 3013	Parasitisms of Domesticated Non-Herbivores (Odd years, Sp, Fa)		
ANSC 3133	Animal Breeding and Genetics (Sp)		
ANSC 3152	Applied Animal Nutrition (Fa)		
& ANSC 3151L	and Applied Animal Nutrition Laboratory (Fa)		
ANSC 3333	Diseases of Livestock (Sp)		
ANSC 3613	Meat Science (Fa)		
ANSC 4163	Course ANSC 4163 Not Found		
ANSC 4303	Comparative Veterinary Anatomy (Sp)		
ANSC 4552	Forage-Ruminant Relations (Odd years, Sp)		

Pre-Professional / Science Concentration

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ANSC 3032	Animal Physiology I (Fa)
ANSC 3042	Animal Physiology II (Sp)
BIOL 1603	Principles of Zoology (ACTS Equivalency = BIOL 1054 Lecture) (Su, Fa)
& BIOL 1601L	and Principles of Zoology Laboratory (ACTS Equivalency = BIOL 1054 Lab) (Su, Fa)
BIOL 2013	General Microbiology (ACTS Equivalency = BIOL 2004 Lecture) (Sp, Su, Fa)
& BIOL 2011L	and General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab) (Sp, Su, Fa)
CHEM 1103	University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) (Su, Fa)
& CHEM 1101L	and University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab) (Sp, Su, Fa)
CHEM 3603	Organic Chemistry I (Su, Fa)
& CHEM 3601L	and Organic Chemistry I Laboratory (Su, Fa)
CHEM 3613	Organic Chemistry II (Sp, Su)
& CHEM 3611L	and Organic Chemistry II Laboratory (Sp, Su)
CHEM 3813	Elements of Biochemistry (Sp, Su, Fa)
PHYS 2013	College Physics I (ACTS Equivalency = PHYS 2014 Lecture) (Su, Fa)
& PHYS 2011L	and College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab) (Su, Fa)
PHYS 2033	College Physics II (ACTS Equivalency = PHYS 2024 Lecture) (Sp, Su)
& PHYS 2031L	and College Physics II Laboratory (ACTS Equivalency = PHYS 2024 Lab) (Su)

Discipline-Related Electives

10

Select 10 hours from the following:

Suggested electives:

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

Other discipline related electives:

ANSC 2003	Introduction to Equine Industry (Sp)
ANSC 2213	Behavior of Domestic Animals (Fa)
ANSC 2303	Introduction to Horsemanship (Sp, Fa)
ANSC 3072	Equine Selection and Evaluation (Sp)
ANSC 3282	Livestock Judging and Selection (Fa)
ANSC 3291	Livestock Junior Judging Team Activity (Sp)
ANSC 3491L	Artificial Insemination in Cattle (Sp)
ANSC 3723	Horse and Livestock Merchandising (Fa)
ANSC 3753	Course ANSC 3753 Not Found
ANSC 400V	Special Problems (Sp, Su, Fa)
ANSC 401V	Internship in Animal Sciences (Sp, Su, Fa)
ANSC 4072	Advanced Equine Selection and Evaluation (Fa)
ANSC 410V	Special Topics in Animal Sciences (Irregular)
ANSC 4123	Legal Issues in Animal Agriculture (Odd years, Sp)
ANSC 4173	Thoroughbred Horse Industry (Odd years, Sp)
ANSC 4291	Livestock Senior Judging Team Activity (Fa)
AFLS 400VH	Honors Thesis (Sp, Su, Fa)
AGEC 1103	Principles of Agricultural Microeconomics (Sp, Su, Fa)
AGEC 2103	Principles of Agricultural Macroeconomics (Sp, Fa)
AGEC 2303	Introduction to Agribusiness (Sp, Su, Fa)
AGME 2903	Agricultural and Human Environmental Sciences Applications of Microcomputers (Sp, Su, Fa)
BIOL 2531L	Cell Biology Laboratory (Sp, Fa)
BIOL 2533	Cell Biology (Sp, Fa)
CSES 1203	Introduction to Plant Sciences (Sp, Fa)
CSES 2013	Pest Management (Sp)
CHEM 2261L	Analytical Chemistry Laboratory (Sp, Fa)
CHEM 2263	Analytical Chemistry Lecture (Sp, Fa)

FDSC 2503	Food Safety and Sanitation (Sp, Fa)
POSC 2353	Poultry Breeder Management (Sp)
ACCT 2013	Accounting Principles (Sp, Su, Fa)
BLAW 2013	The Legal Environment of Business (ACTS Equivalency = BLAW 2003) (Sp, Su, Fa)

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

General Electives

5

Total Hours

120

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
UNIV 1001	University Perspectives (Sp, Su, Fa)	1
ENGL 1013	Composition I (ACTS Equivalency = ENGL 1013) (Sp, Su, Fa)	3
ANSC 1032	Introductory Animal Sciences (Sp, Fa)	2
ANSC 1001L	Introductory to Animal Sciences Laboratory (Sp, Fa)	1
	General Elective (MATH 1203 if needed as a prerequisite for MATH 1213)	3
CHEM 1103	University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) (Su, Fa)	4
	& CHEM 1101L University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab) (Sp, Su, Fa)	
ANSC 1041	Introduction to Companion Animal Industry (Sp, Fa)	1
	or ANSC 1051 Introduction to the Livestock Industry (Sp, Fa)	
CHEM 1123	University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) (Sp, Su, Fa)	4
	& CHEM 1121L University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab) (Sp, Su, Fa)	
ENGL 1023	Composition II (ACTS Equivalency = ENGL 1023) (Sp, Su, Fa)	3
	Social Sciences Core Elective	3
BIOL 1543	Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) (Sp, Su, Fa)	4
	& BIOL 1541L Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab) (Sp, Su, Fa)	
ANSC 2252L	Introduction to Livestock and Meat Evaluation (Sp)	2
	Year Total:	15 16
Second Year		Units
		FallSpring
	Communication Intensive Elective*	3
ANSC 2781	Career Preparation and Development (Fa)	1
CHEM 3603	Organic Chemistry I (Su, Fa)	4
	& CHEM 3601L Organic Chemistry I Laboratory (Su, Fa)	
BIOL 1603	Principles of Zoology (ACTS Equivalency = BIOL 1054 Lecture) (Su, Fa)	4
	& BIOL 1601L Principles of Zoology Laboratory (ACTS Equivalency = BIOL 1054 Lab) (Su, Fa)	
MATH 1213	Plane Trigonometry (ACTS Equivalency = MATH 1203) (Sp, Su, Fa)	3
ANSC 3143	Principles of Animal Nutrition (Sp)	3
CHEM 3613	Organic Chemistry II (Sp, Su)	4
	& CHEM 3611L Organic Chemistry II Laboratory (Sp, Su)	
BIOL 2013	General Microbiology (ACTS Equivalency = BIOL 2004 Lecture) (Sp, Su, Fa)	4
	& BIOL 2011L General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab) (Sp, Su, Fa)	
	Fine Arts/Humanities Core Elective	- 3
	ANSC Electives or ANSC Core*	2

COMM 1313 Public Speaking (ACTS Equivalency = SPCH 1003) (Sp, Su, Fa)	3
Year Total:	15 16
Third Year	
	Units
	FallSpring
ANSC 3032 Animal Physiology I (Fa)	2
CHEM 3813 Elements of Biochemistry (Sp, Su, Fa)	3
ANSC Electives or ANSC Production	2 -
Fine Arts/Humanities Core Elective*	3
ANSC 3123 Principles of Genetics (Fa)	3
Discipline-related Elective* (MATH 2554 suggested)	4
ANSC 3042 Animal Physiology II (Sp)	2
ANSC Electives or ANSC Core*	2
Social Science Core Elective*	3
Discipline-related Elective* (STAT 2303 & BIOL 2533 suggested)	6
Fine Arts/Humanities Core Elective*	3
Year Total:	15 16
Fourth Year	
	Units
	FallSpring
ANSC 3433 Fundamentals of Reproductive Physiology (Fa)	3
ANSC 4142 Advanced Animal Handling Techniques (Sp, Fa)	2
PHYS 2013 College Physics I (ACTS Equivalency = PHYS 2014 Lecture) (Su, Fa)	4
& PHYS 2011L College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab) (Su, Fa)	
Social Sciences Core Elective*	3
History/Government Core Elective*	3
ANSC Electives and/or ANSC Core*	6
PHYS 2033 College Physics II (ACTS Equivalency = PHYS 2024 Lecture) (Sp, Su)	4
& PHYS 2031L College Physics II Laboratory (ACTS Equivalency = PHYS 2024 Lab) (Su)	
History/Government Core Elective	- 3
General Electives	2
Year Total:	15 12
Total Units in Sequence:	120

Are Similar Programs available in the area?

No

Estimated Student 100
Demand for Program

Scheduled Program March 2015
Review Date

Program Goals and Objectives

Program Goals and Objectives
Program Goals and Objective unchanged.

Learning Outcomes

Learning Outcomes
Learning Outcomes unchanged.

Description and justification of the request

Description of specific change	Justification for this change
Add ANSC 4163 – Companion Animal Nutrition to the Animal Science Electives Add ANSC 4552 – Forage-Ruminant Relations to the Animal Science Electives Add ANSC 3753 – Equine Assisted Therapy to the Discipline-related electives	Add ANSC 4163 – Companion Animal Nutrition to the Animal Science Electives The Animal Science Electives category is for ANSC courses outside of the ANSC core that are science based. Students are required to take a total of 6 hours from this category which currently has a total of 21 hours as options. Companion Animal Nutrition is a science-based class that will be offered in the spring semester when only 9 hours of options are available currently. Add ANSC 4552 – Forage-Ruminant Relations to the Animal Science Electives The Animal Science Electives category is for ANSC courses outside of the ANSC core that are science based. Students are required to take a total of 6 hours from this category which currently has a total of 21 hours as options. Forage-Ruminant Relations is a science-based class that will be offered in the spring semester when only 9 hours of options are available currently. Add ANSC 3753 – Equine Assisted Therapy to the Discipline-related electives The Discipline-Related Electives category is for classes from other departments that are somewhat related to ANSC or classes within ANSC that are considered less science-based or more application based. Equine Assisted Therapy is a course that is heavily focused on hands-on activities. BIOL 2533 Cell Biology had previously been an elective option that was missed being on the check sheet and is being added to correct error.

Upload attachments [18-19-anscbs-pprf-rv.docx](#)

Reviewer Comments **Michael Evans (mrevans) (09/11/17 8:40 am):** Rollback: Please double check that hours add up correctly. Please review chemistry requirements. Make sure University Perspectives are included in correct location.

Alice Griffin (agriffin) (10/11/17 10:35 am): Rollback: BIOL 2533 impacts a course in another college. Please change response to this question in Program Management and select ARSC so that they can be included in the approval workflow.

Lisa Kulczak (lkulcza) (10/16/17 5:25 pm): ANSC courses "not found" in approval process for fall 2018.

Key: 36