

## 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						
College(s)/School(s)	<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="color: red;">College/School Name</td> </tr> <tr> <td style="color: green;">Fulbright College of Arts and Sciences(ARSC)</td> </tr> </table>				College/School Name	Fulbright College of Arts and Sciences(ARSC)
College/School Name						
Fulbright College of Arts and Sciences(ARSC)						
What are the total hours needed to complete the program?	120					

### 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 Program Assessment and Review
6. 10/16/17 5:25 pm Lisa Kulczak (lkulca): Approved for Registrar Initial
7. 10/17/17 8:27 am Michael Looper

### Program Requirements and Description

Requirements

## Requirements for a Major in Animal Science (ANSC) with Pre-Professional Science concentration

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

- (looper): Approved for ANSC Chair
8. 10/17/17 9:05 am  
Michael Thomsen (mthomsen): Approved for ANSC Curriculum Committee
  9. 10/30/17 2:21 pm  
Nick Anthony (nanthony): Approved for AFLS Faculty
  10. 11/01/17 9:52 am  
Jeannine Durdik (jdurdik): Approved for ARSC Dean
  11. 11/02/17 7:56 am  
Michael Evans (mrevans): Approved for AFLS Dean
  12. 11/03/17 9:02 am  
Kiersten Bible (kbible): Approved for Global Campus
  13. 11/06/17 7:50 am  
Terry Martin (tmartin): Approved for Provost Review
  14. 11/20/17 2:47 pm  
Alice Griffin (agriffin): Approved for University Course and Program Committee

### 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)

<a href="#">UNIV 1001</a>	University Perspectives (Sp, Su, Fa)	
Communications		12
<a href="#">ENGL 1013</a>	Composition I (ACTS Equivalency = ENGL 1013) (Sp, Su, Fa)	
<a href="#">ENGL 1023</a>	Composition II (ACTS Equivalency = ENGL 1023) (Sp, Su, Fa)	
<a href="#">COMM 1313</a>	Public Speaking (ACTS Equivalency = SPCH 1003) (Sp, Su, Fa)	
Communication Intensive Elective 3 hours (See degree audit in UAConnect for complete list)		
History or Government		3
<a href="#">HIST 2003</a>	History of the American People to 1877 (ACTS Equivalency = HIST 2113) (Sp, Su, Fa)	
or <a href="#">HIST 2013</a>	History of the American People, 1877 to Present (ACTS Equivalency = HIST 2123) (Sp, Su, Fa)	
or <a href="#">PLSC 2003</a>	American National Government (ACTS Equivalency = PLSC 2003) (Sp, Su, Fa)	
Mathematics		3
<a href="#">MATH 1213</a>	Plane Trigonometry (ACTS Equivalency = MATH 1203) (Sp, Su, Fa)	
Sciences		8
<a href="#">BIOL 1543</a>	Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) (Sp, Su, Fa)	
& <a href="#">BIOL 1541L</a>	and Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab) (Sp, Su, Fa)	
<a href="#">CHEM 1123</a>	University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) (Sp, Su, Fa)	
& <a href="#">CHEM 1121L</a>	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
<a href="#">ANSC 1001L</a>	Introductory to Animal Sciences Laboratory (Sp, Fa)	
<a href="#">ANSC 1032</a>	Introductory Animal Sciences (Sp, Fa)	
<a href="#">ANSC 1041</a>	Introduction to Companion Animal Industry (Sp, Fa)	
or <a href="#">ANSC 1051</a>	Introduction to the Livestock Industry (Sp, Fa)	
<a href="#">ANSC 2252L</a>	Introduction to Livestock and Meat Evaluation (Sp)	
<a href="#">ANSC 2781</a>	Career Preparation and Development (Fa)	
<a href="#">ANSC 3123</a>	Principles of Genetics (Fa)	
<a href="#">ANSC 3143</a>	Principles of Animal Nutrition (Sp)	
<a href="#">ANSC 3433</a>	Fundamentals of Reproductive Physiology (Fa)	
<a href="#">ANSC 4142</a>	Advanced Animal Handling Techniques (Sp, Fa)	
Select four hours from the following:		
<a href="#">ANSC 4252</a>	Cow-Calf Management (Fa)	
<a href="#">ANSC 4262</a>	Swine Production (Even years, Fa)	
<a href="#">ANSC 4272</a>	Sheep Production (Odd years, Sp)	
<a href="#">ANSC 4283</a>	Horse Production (Sp)	
<a href="#">ANSC 4452</a>	Milk Production (Sp)	
<a href="#">ANSC 4482</a>	Companion Animal Management (Fa)	
<a href="#">ANSC 4652</a>	Stocker-Feedlot Cattle Management (Sp)	
Animal Science Electives		6
Select 6 hours from the following:		
<a href="#">ANSC 3003</a>	Applied Animal Parasitology (Even years, Sp, Fa)	
<a href="#">ANSC 3013</a>	Parasitisms of Domesticated Non-Herbivores (Odd years, Sp, Fa)	
<a href="#">ANSC 3133</a>	Animal Breeding and Genetics (Sp)	
<a href="#">ANSC 3152</a>	Applied Animal Nutrition (Fa)	
& <a href="#">ANSC 3151L</a>	and Applied Animal Nutrition Laboratory (Fa)	
<a href="#">ANSC 3333</a>	Diseases of Livestock (Sp)	
<a href="#">ANSC 3613</a>	Meat Science (Fa)	
<a href="#">ANSC 4163</a>	<b>Course ANSC 4163 Not Found</b>	
<a href="#">ANSC 4303</a>	Comparative Veterinary Anatomy (Sp)	
<a href="#">ANSC 4552</a>	<b>Forage-Ruminant Relations (Odd years, Sp)</b>	
Pre-Professional / Science Concentration		35
<a href="#">ANSC 3032</a>	Animal Physiology I (Fa)	
<a href="#">ANSC 3042</a>	Animal Physiology II (Sp)	
<a href="#">BIOL 1603</a>	Principles of Zoology (ACTS Equivalency = BIOL 1054 Lecture) (Su, Fa)	
& <a href="#">BIOL 1601L</a>	and Principles of Zoology Laboratory (ACTS Equivalency = BIOL 1054 Lab) (Su, Fa)	
<a href="#">BIOL 2013</a>	General Microbiology (ACTS Equivalency = BIOL 2004 Lecture) (Sp, Su, Fa)	
& <a href="#">BIOL 2011L</a>	and General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab) (Sp, Su, Fa)	
<a href="#">CHEM 1103</a>	University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) (Su, Fa)	
& <a href="#">CHEM 1101L</a>	and University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab) (Sp, Su, Fa)	
<a href="#">CHEM 3603</a>	Organic Chemistry I (Su, Fa)	
& <a href="#">CHEM 3601L</a>	and Organic Chemistry I Laboratory (Su, Fa)	

<a href="#">CHEM 3613</a>	Organic Chemistry II (Sp, Su)
& <a href="#">CHEM 3611L</a>	and Organic Chemistry II Laboratory (Sp, Su)
<a href="#">CHEM 3813</a>	Elements of Biochemistry (Sp, Su, Fa)
<a href="#">PHYS 2013</a>	College Physics I (ACTS Equivalency = PHYS 2014 Lecture) (Su, Fa)
& <a href="#">PHYS 2011L</a>	and College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab) (Su, Fa)
<a href="#">PHYS 2033</a>	College Physics II (ACTS Equivalency = PHYS 2024 Lecture) (Sp, Su)
& <a href="#">PHYS 2031L</a>	and College Physics II Laboratory (ACTS Equivalency = PHYS 2024 Lab) (Su)

## Discipline-Related Electives

10

Select 10 hours from the following:

## Suggested electives:

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

## Other discipline related electives:

<a href="#">ANSC 2003</a>	Introduction to Equine Industry (Sp)
<a href="#">ANSC 2213</a>	Behavior of Domestic Animals (Fa)
<a href="#">ANSC 2303</a>	Introduction to Horsemanship (Sp, Fa)
<a href="#">ANSC 3072</a>	Equine Selection and Evaluation (Sp)
<a href="#">ANSC 3282</a>	Livestock Judging and Selection (Fa)
<a href="#">ANSC 3291</a>	Livestock Junior Judging Team Activity (Sp)
<a href="#">ANSC 3491L</a>	Artificial Insemination in Cattle (Sp)
<a href="#">ANSC 3723</a>	Horse and Livestock Merchandising (Fa)
<a href="#">ANSC 3753</a>	<b>Course ANSC 3753 Not Found</b>
<a href="#">ANSC 400V</a>	Special Problems (Sp, Su, Fa)
<a href="#">ANSC 401V</a>	Internship in Animal Sciences (Sp, Su, Fa)
<a href="#">ANSC 4072</a>	Advanced Equine Selection and Evaluation (Fa)
<a href="#">ANSC 410V</a>	Special Topics in Animal Sciences (Irregular)
<a href="#">ANSC 4123</a>	Legal Issues in Animal Agriculture (Odd years, Sp)
<a href="#">ANSC 4173</a>	Thoroughbred Horse Industry (Odd years, Sp)
<a href="#">ANSC 4291</a>	Livestock Senior Judging Team Activity (Fa)
<a href="#">AFLS 400VH</a>	Honors Thesis (Sp, Su, Fa)
<a href="#">AGEC 1103</a>	Principles of Agricultural Microeconomics (Sp, Su, Fa)
<a href="#">AGEC 2103</a>	Principles of Agricultural Macroeconomics (Sp, Fa)
<a href="#">AGEC 2303</a>	Introduction to Agribusiness (Sp, Su, Fa)
<a href="#">AGME 2903</a>	Agricultural and Human Environmental Sciences Applications of Microcomputers (Sp, Su, Fa)
<a href="#">BIOL 2531L</a>	Cell Biology Laboratory (Sp, Fa)
<a href="#">BIOL 2533</a>	<b>Cell Biology (Sp, Fa)</b>
<a href="#">CSES 1203</a>	Introduction to Plant Sciences (Sp, Fa)
<a href="#">CSES 2013</a>	Pest Management (Sp)
<a href="#">CHEM 2261L</a>	Analytical Chemistry Laboratory (Sp, Fa)
<a href="#">CHEM 2263</a>	Analytical Chemistry Lecture (Sp, Fa)
<a href="#">FDSC 2503</a>	Food Safety and Sanitation (Sp, Fa)
<a href="#">POSC 2353</a>	Poultry Breeder Management (Sp)
<a href="#">ACCT 2013</a>	Accounting Principles (Sp, Su, Fa)
<a href="#">BLAW 2013</a>	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
	Fall/Spring
<a href="#">UNIV 1001</a> University Perspectives (Sp, Su, Fa)	1
<a href="#">ENGL 1013</a> Composition I (ACTS Equivalency = ENGL 1013) (Sp, Su, Fa)	3

<a href="#">ANSC 1032</a> Introductory Animal Sciences (Sp, Fa)	2
<a href="#">ANSC 1001L</a> Introductory to Animal Sciences Laboratory (Sp, Fa)	1
General Elective (MATH 1203 if needed as a prerequisite for MATH 1213)	3
<a href="#">CHEM 1103</a> University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) (Su, Fa)	4
& <a href="#">CHEM 1101L</a> University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab) (Sp, Su, Fa)	
<a href="#">ANSC 1041</a> Introduction to Companion Animal Industry (Sp, Fa)	1
or <a href="#">ANSC 1051</a> Introduction to the Livestock Industry (Sp, Fa)	
<a href="#">CHEM 1123</a> University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) (Sp, Su, Fa)	4
& <a href="#">CHEM 1121L</a> University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab) (Sp, Su, Fa)	
<a href="#">ENGL 1023</a> Composition II (ACTS Equivalency = ENGL 1023) (Sp, Su, Fa)	3
Social Sciences Core Elective	3
<a href="#">BIOL 1543</a> Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) (Sp, Su, Fa)	4
& <a href="#">BIOL 1541L</a> Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab) (Sp, Su, Fa)	
<a href="#">ANSC 2252L</a> Introduction to Livestock and Meat Evaluation (Sp)	2
Year Total:	15 16
Second Year	
	Units
	FallSpring
Communication Intensive Elective*	3
<a href="#">ANSC 2781</a> Career Preparation and Development (Fa)	1
<a href="#">CHEM 3603</a> Organic Chemistry I (Su, Fa)	4
& <a href="#">CHEM 3601L</a> Organic Chemistry I Laboratory (Su, Fa)	
<a href="#">BIOL 1603</a> Principles of Zoology (ACTS Equivalency = BIOL 1054 Lecture) (Su, Fa)	4
& <a href="#">BIOL 1601L</a> Principles of Zoology Laboratory (ACTS Equivalency = BIOL 1054 Lab) (Su, Fa)	
<a href="#">MATH 1213</a> Plane Trigonometry (ACTS Equivalency = MATH 1203) (Sp, Su, Fa)	3
<a href="#">ANSC 3143</a> Principles of Animal Nutrition (Sp)	3
<a href="#">CHEM 3613</a> Organic Chemistry II (Sp, Su)	4
& <a href="#">CHEM 3611L</a> Organic Chemistry II Laboratory (Sp, Su)	
<a href="#">BIOL 2013</a> General Microbiology (ACTS Equivalency = BIOL 2004 Lecture) (Sp, Su, Fa)	4
& <a href="#">BIOL 2011L</a> General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab) (Sp, Su, Fa)	
<del>Fine Arts/Humanities Core Elective</del>	<del>- 3</del>
<b>ANSC Electives or ANSC Core*</b>	<b>2</b>
<a href="#">COMM 1313</a> Public Speaking (ACTS Equivalency = SPCH 1003) (Sp, Su, Fa)	3
Year Total:	15 16
Third Year	
	Units
	FallSpring
<a href="#">ANSC 3032</a> Animal Physiology I (Fa)	2
<a href="#">CHEM 3813</a> Elements of Biochemistry (Sp, Su, Fa)	3
<del>ANSC Electives or ANSC Production</del>	<del>2 -</del>
<b>Fine Arts/Humanities Core Elective*</b>	<b>3</b>
<a href="#">ANSC 3123</a> Principles of Genetics (Fa)	3
Discipline-related Elective* (MATH 2554 suggested)	4
<a href="#">ANSC 3042</a> 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
<b>Fine Arts/Humanities Core Elective*</b>	<b>3</b>
Year Total:	15 16
Fourth Year	
	Units
	FallSpring
<a href="#">ANSC 3433</a> Fundamentals of Reproductive Physiology (Fa)	3
<a href="#">ANSC 4142</a> Advanced Animal Handling Techniques (Sp, Fa)	2
<a href="#">PHYS 2013</a> College Physics I (ACTS Equivalency = PHYS 2014 Lecture) (Su, Fa)	4
& <a href="#">PHYS 2011L</a> 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
<a href="#">PHYS 2033</a> College Physics II (ACTS Equivalency = PHYS 2024 Lecture) (Sp, Su)	4
& <a href="#">PHYS 2031L</a> College Physics II Laboratory (ACTS Equivalency = PHYS 2024 Lab) (Su)	
<del>History/Government Core Elective</del>	<del>- 3</del>
General Electives	2

Year Total:	15 12
Total Units in Sequence:	120

No	Are Similar Programs available in the area?
Estimated Student Demand for Program	100
Scheduled Program Review Date	March 2015
Program Goals and Objectives	
<b>Program Goals and Objectives</b>	
Program Goals and Objective unchanged.	
Learning Outcomes	
<b>Learning Outcomes</b>	
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.