

## Program Change Request

Date Submitted: 09/26/17 2:58 pm

Viewing: **ANSCBS-ANSC : Animal Science, Bachelor of Science in Agri Food & Life Sciences**

Last approved: 06/01/17 8:29 am

Last edit: 10/16/17 5:20 pm

Changes proposed by: jstarks

Catalog Pages Using  
this Program

[Animal Science B.S.A. with Animal Science Concentration](#)  
[Animal Science \(ANSC\)](#)

Submitter: User ID: crsleaf1 Phone: **575-3745** ~~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-ANSC

Degree Bachelor of Science in Agricultural, Food & Life Sciences

CIP Code  
01.0901 - Animal Sciences, General.

Program Title  
Animal Science, Bachelor of Science in Agri Food & Life Sciences

Program Delivery

Method

On Campus

Is this program interdisciplinary?

No

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

**No**

### 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. **AFLS Dean**
8. **Global Campus**
9. **Provost Review**
10. **University Course and Program Committee**
11. Faculty Senate
12. Provost Final
13. Provost's Office-- Notification of Approval
14. Registrar Final
15. Catalog Editor Final

### Approval Path

1. 09/10/17 1:25 pm  
Michael Evans (mrevans): Approved for AFLS Dean Initial
2. 09/11/17 8:30 am  
Alice Griffin (agriffin): Rollback to AFLS Dean Initial for Director of Program Assessment and Review
3. 09/11/17 8:34 am  
Michael Evans (mrevans): Rollback to Initiator
4. 10/10/17 2:07 pm  
Michael Evans (mrevans): Approved for AFLS Dean Initial

<p>What are the total hours needed to complete the program? <b>120</b></p>	<p>5. 10/13/17 8:52 am Alice Griffin (agriffin): Approved for Director of Program</p>
<p><b>Program Requirements and Description</b></p>	<p>Assessment and Review</p>
<p>Requirements</p> <p><b>Requirements for a Major in Animal Science (ANSC) with Animal Science concentration</b></p>	<p>6. 10/16/17 5:22 pm Lisa Kulczak (lkulcza): Approved for Registrar Initial</p> <p>7. 10/17/17 8:26 am Michael Looper (looper): Approved for ANSC Chair</p>
<p>State minimum core and discipline specific general education requirements: (Course work that meets state minimum core requirements is in bold.)</p>	<p>8. 10/17/17 9:05 am Michael Thomsen (mthomsen): Approved for ANSC Curriculum Committee</p> <p>9. 10/30/17 2:21 pm Nick Anthony (nanthony): Approved for AFLS Faculty</p> <p>10. 10/30/17 2:36 pm Michael Evans (mrevans): Approved for AFLS Dean</p> <p>11. 10/30/17 2:42 pm Kiersten Bible (kbible): Approved for Global Campus</p> <p>12. 10/30/17 5:37 pm Terry Martin (tmartin): Approved for Provost Review</p>
	<p><b>History</b></p> <p>1. Aug 15, 2014 by Leepfrog Administrator (clhelp)</p> <p>2. Dec 12, 2014 by Andrew Fidler (fidler)</p> <p>3. May 4, 2015 by Charlie Alison (calison)</p>

University Requirements		4. May 11, 2015 by Charlie Alison (calison) 12
<a href="#">UNIV 1001</a>	University Perspectives (Sp, Su, Fa)	
Communications		5. Jun 1, 2017 by Charlie Alison (calison) 3
<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)	
	Communication Intensive Elective 6 hours (See adviser for approved communication intensive course 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 1203</a>	College Algebra (ACTS Equivalency = MATH 1103) (Sp, Su, Fa) (or higher level MATH)	
Sciences		16
<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="#">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)	
Select 4 hours from the following:		
<a href="#">CHEM 1073</a>	Fundamentals of Chemistry (ACTS Equivalency = CHEM 1214 Lecture) (Su, Fa)	
& <a href="#">CHEM 1071L</a>	and Fundamentals of Chemistry Laboratory (ACTS Equivalency = CHEM 1214 Lab) (Fa)	
or <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)	
Select from the following:		
<a href="#">CHEM 2613</a>	Organic Physiological Chemistry (ACTS Equivalency = CHEM 1224 Lecture) (Sp, Su, Fa)	
& <a href="#">CHEM 2611L</a>	and Organic Physiological Chemistry Laboratory (ACTS Equivalency = CHEM 1224 Lab) (Sp, Su, Fa)	
or <a href="#">CHEM 3603</a>	Organic Chemistry I (Su, Fa)	
& <a href="#">CHEM 3601L</a>	and Organic Chemistry I Laboratory (Su, Fa)	
Fine Arts and Humanities		6
	Select 3 hours Fine Arts and 3 hours Humanities courses from University Core List.	
Social Sciences		9
	Select 9 hours Social Sciences courses from University Core List.	
ANSC Requirements		24
<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 3133</a>	Animal Breeding and Genetics (Sp)	
<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 6 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		13
	Select 13 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 3032</a>	Animal Physiology I (Fa)
<a href="#">ANSC 3042</a>	Animal Physiology II (Sp)
<a href="#">ANSC 3123</a>	Principles of Genetics (Fa)
<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>

## Discipline-Related Electives

16

Select 16 hours from the following:

<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 1601L</a>	Principles of Zoology Laboratory (ACTS Equivalency = BIOL 1054 Lab) (Su, Fa)
<a href="#">BIOL 1603</a>	Principles of Zoology (ACTS Equivalency = BIOL 1054 Lecture) (Su, Fa)
<a href="#">BIOL 2531L</a>	Cell Biology Laboratory (Sp, Fa)
<a href="#">BIOL 2533</a>	Cell Biology (Sp, Fa)
<a href="#">CSES 1203</a>	Introduction to Plant Sciences (Sp, Fa)
<a href="#">CSES 2013</a>	Pest Management (Sp)
<a href="#">CHEM 1101L</a>	University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab) (Sp, Su, Fa)
<a href="#">CHEM 1103</a>	University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) (Su, Fa)
<a href="#">CHEM 1121L</a>	University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab) (Sp, Su, Fa)
<a href="#">CHEM 1123</a>	University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) (Sp, Su, Fa)
<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="#">MATH 1213</a>	Plane Trigonometry (ACTS Equivalency = MATH 1203) (Sp, Su, Fa) (or higher)
<a href="#">PHYS 2011L</a>	College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab) (Su, Fa)
<a href="#">PHYS 2013</a>	College Physics I (ACTS Equivalency = PHYS 2014 Lecture) (Su, Fa)
<a href="#">PHYS 2031L</a>	College Physics II Laboratory (ACTS Equivalency = PHYS 2024 Lab) (Su)
<a href="#">PHYS 2033</a>	College Physics II (ACTS Equivalency = PHYS 2024 Lecture) (Sp, Su)
<a href="#">POSC 2353</a>	Poultry Breeder Management (Sp)

[BLAW 2013](#) The Legal Environment of Business (ACTS Equivalency = BLAW 2003) (Sp, Su, Fa)

[ACCT 2013](#) Accounting Principles (Sp, Su, Fa)

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

General Electives

17

Total Hours

120

### 8-Semester Plan

## Animal Science B.S.A. with Animal 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
<a href="#">UNIV 1001</a> University Perspectives (Sp, Su, Fa)	1
<a href="#">ANSC 1001L</a> Introductory to Animal Sciences Laboratory (Sp, Fa)	1
<a href="#">ANSC 1032</a> Introductory Animal Sciences (Sp, Fa)	2
<a href="#">ENGL 1013</a> Composition I (ACTS Equivalency = ENGL 1013) (Sp, Su, Fa)	3
<a href="#">MATH 1203</a> College Algebra (ACTS Equivalency = MATH 1103) (Sp, Su, Fa) (or higher level MATH)	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 1041</a> Introduction to Companion Animal Industry (Sp, Fa)	1
or <a href="#">ANSC 1051</a> Introduction to the Livestock Industry (Sp, Fa)	
Social Science Core Elective*	3
<a href="#">ANSC 2252L</a> Introduction to Livestock and Meat Evaluation (Sp)	2
General Elective	3
Fine Arts/Humanities Core Elective*	3
<a href="#">ENGL 1023</a> Composition II (ACTS Equivalency = ENGL 1023) (Sp, Su, Fa)	3
<del>Discipline-related Elective as AFLS Broadening Elective</del>	<del>- 3</del>
<b>Discipline-related Elective* (CHEM 1103/1101L if completing University Chemistry I &amp; II requirement)</b>	<b>3-4</b>
Year Total:	15 17
Second Year	
	Units
	FallSpring
<a href="#">ANSC 2781</a> Career Preparation and Development (Fa)	1
<a href="#">ANSC 3433</a> Fundamentals of Reproductive Physiology (Fa)	3
Select 4 hours from the following:	4
<a href="#">CHEM 1073</a> Fundamentals of Chemistry (ACTS Equivalency = CHEM 1214 Lecture) (Su, Fa)	
& <a href="#">CHEM 1071L</a> Fundamentals of Chemistry Laboratory (ACTS Equivalency = CHEM 1214 Lab) (Fa)	
or <a href="#">CHEM 1123/1121L</a> University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) (Sp, Su, Fa)	
Fine Arts/Humanities Core Elective*	3
History University Core Elective	3
<a href="#">ANSC 3133</a> Animal Breeding and Genetics (Sp)	3
<b>Discipline-related Elective*</b>	<b>4</b>
Communication Intensive Elective*	3
<del>Communication Intensive elective from approved list</del>	<del>- 3</del>
General Elective	3
<del>Select one of the following:</del>	<del>- 3-4</del>
<del><a href="#">CHEM 2613</a> Organic Physiological Chemistry (ACTS Equivalency = CHEM 1224 Lecture) (Sp, Su, Fa)</del>	<del>- -</del>
& <del><a href="#">CHEM 2611L</a> Organic Physiological Chemistry Laboratory (ACTS Equivalency = CHEM 1224 Lab) (Sp, Su, Fa)</del>	

<del>Social Science University Core Elective</del>		
<b>Choose from the following:</b>		<b>3</b>
<b>Social Science Core Elective*</b>		
Year Total:		14 16
Third Year		Units
		FallSpring
<u>ANSC 4142</u> Advanced Animal Handling Techniques (Sp, Fa)		2
Communication Intensive Elective*		3
<u>BIOL 2013</u> General Microbiology (ACTS Equivalency = BIOL 2004 Lecture) (Sp, Su, Fa)		4
& <u>BIOL 2011L</u> General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab) (Sp, Su, Fa)		
<del>Select one of the following:</del>		<del>3-4-</del>
<del>Social Science University Core Elective</del>		
<b>Select 4 hours from the following:</b>		<b>4</b>
<u>CHEM 3603</u> Organic Chemistry I (Su, Fa)		
& <u>CHEM 3601L</u> Organic Chemistry I Laboratory (Su, Fa)		
<u>CHEM 2613</u> Organic Physiological Chemistry (ACTS Equivalency = CHEM 1224 Lecture) (Sp, Su, Fa)		
& <u>CHEM 2611L</u> Organic Physiological Chemistry Laboratory (ACTS Equivalency = CHEM 1224 Lab) (Sp, Su, Fa)		
Animal Science Electives*		5
<u>ANSC 3143</u> Principles of Animal Nutrition (Sp)		3
Animal Science Electives*		5
Social Science Core Elective*		3
Discipline-related Elective*		3
General Elective		3
Year Total:		18 17
Fourth Year		Units
		FallSpring
Animal Science Elective*		3
<del>ANSC Production/Management Elective</del>		<del>2-4-</del>
<b>ANSC Core Elective*</b>		<b>2</b>
General Electives		8
<del>ANSC Production/Management Elective</del>		<del>- 2-4</del>
<del>Discipline-related Electives</del>		<del>- 7</del>
<del>General Electives</del>		<del>- 0-6</del>
<b>ANSC Core Electives*</b>		<b>4</b>
<b>Discipline-related Electives*</b>		<b>5-6</b>
Year Total:		13 10
Total Units in Sequence:		120

Are Similar Programs available in the area?	
No	
Estimated Student Demand for Program	120
Scheduled Program Review Date	March 2015
Program Goals and Objectives	
<b>Program Goals and Objectives</b>	
Program Goals and Objectives unchanged.	

Learning Outcomes	<b>Learning Outcomes</b>
Learning Outcomes unchanged.	

## Description and justification of the request

<b>Description of specific change</b>	<b>Justification for this change</b>
<p>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</p> <p>Add upper division HORT classes to Discipline-related electives.</p>	<p>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 13 hours from this category which currently has a total of 25 hours as options. Companion Animal Nutrition is a science-based class that will be offered in the spring semester when only 8 hours of options are available currently.</p> <p>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 13 hours from this category which currently has a total of 25 hours as options. Forage-Ruminant Relations is a science-based class that will be offered in the spring semester when only 8 hours of options are available currently.</p> <p>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.</p>

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

Reviewer Comments **Alice Griffin (agriffin) (09/11/17 8:30 am)**: Rollback: Per request of Dr. Evans.

**Michael Evans (mrevans) (09/11/17 8:34 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) (10/13/17 8:50 am)**: Changed second year spring in 8 semester plan - discipline related electives from 3 to 4 hours in order for total hours to equal 120 with permission from Ken Coffey.

**Lisa Kulczak (lkulcza) (10/16/17 5:20 pm)**: ANSC courses "not found" in approval process for fall 2018.

Key: 73