

Date Submitted: 01/24/20 10:32 am

Viewing: **ANSCBS-EQSC : Animal Science: Equine**

Systems Concentration

Last approved: 05/21/19 11:27 am

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

Changes proposed by: jstarks

Catalog Pages Using
this Program

[Animal Science B.S.A. with Equine 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. **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. 01/08/20 2:06 pm
Lona Robertson (ljrobert): Approved for AFLS Dean Initial
2. 01/10/20 8:40 am
Alice Griffin (agriffin): Rollback to Initiator
3. 01/24/20 11:19 am
Lona Robertson

Department Code

Department of Animal Science (ANSC)

Program Code

ANSCBS-EQSC

Degree

Bachelor of Science in Agricultural, Food & Life Sciences

CIP Code

(ljrobert): Approved
for AFLS Dean Initial

4. 01/31/20 12:21 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 7:38 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. 03/03/20 8:30 am

Lona Robertson

(ljrobert): Approved

for AFLS Dean

11. 03/03/20 11:07 am

Suzanne Kenner

(skenner): Approved
for Global Campus
12. 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 11, 2015 by
Charlie Alison
(calison)
5. Jun 1, 2017 by
Charlie Alison
(calison)
6. Apr 26, 2018 by
Jamie Newberry
(jstarks)
7. Apr 26, 2018 by
Charlie Alison
(calison)
8. May 21, 2019 by
Lisa Kulczak (lkulcza)

01.0901 - Animal Sciences, General.

Program Title

Animal Science: Equine **Systems** Concentration

Program Delivery

Method

On Campus

Is this program interdisciplinary?

No

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

No

What are the total hours needed to complete the program? **21** ~~120~~

Program Requirements and Description

Requirements

Requirements for a Major in Animal Science (ANSC) with an Equine Systems (EQSC) 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) | |
| 6 hours of Communication Intensive Electives (See UAConnect Degree Audit 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-1203 | College Algebra (ACTS Equivalency = MATH-1103) (or higher level MATH) | |
| Sciences | | 16 |
| BIOL-1543 | Principles of Biology (ACTS Equivalency = BIOL-1014 Lecture) | |
| & BIOL-1541L | and Principles of Biology Laboratory (ACTS Equivalency = BIOL-1014 Lab) | |
| BIOL-2013 | General Microbiology (ACTS Equivalency = BIOL-2004 Lecture) | |
| & BIOL-2011L | and General Microbiology Laboratory (ACTS Equivalency = BIOL-2004 Lab) | |
| Select 4 hours from the following: | | |
| CHEM-1073 | Fundamentals of Chemistry (ACTS Equivalency = CHEM-1214 Lecture) | |
| & CHEM-1071L | and Fundamentals of Chemistry Laboratory (ACTS Equivalency = CHEM-1214 Lab) | |

| | | |
|---|---|----|
| or CHEM 1123 | University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) | |
| & CHEM 1121L | and University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab) | |
| Select 4 hours from the following: | | |
| CHEM 2613 | Organic-Physiological Chemistry (ACTS Equivalency = CHEM 1224 Lecture) | |
| & CHEM 2611L | and Organic-Physiological Chemistry Laboratory (ACTS Equivalency = CHEM 1224 Lab) | |
| or CHEM 3603 | Organic Chemistry I | |
| & CHEM 3601L | and Organic Chemistry I Laboratory | |
| Fine Arts and Humanities | | 6 |
| Select 3 hours from Fine Arts and 3 hours from Humanities courses from University Core List | | |
| Social Sciences | | 9 |
| Select three Social Science courses from University Core List | | |
| ANSC 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 3133 | Animal Breeding and Genetics | |
| ANSC 3143 | Principles of Animal Nutrition | |
| ANSC 3433 | Fundamentals of Reproductive Physiology | |
| ANSC 4142 | Advanced Animal Handling Techniques | |
| Select 4 hours from the following: | | |
| ANSC 4252 | Cow-Calf Management | |
| ANSC 4262 | Swine Production | |
| ANSC 4272 | Sheep Production | |
| ANSC 4452 | Milk Production | |
| ANSC 4482 | Companion Animal Management | |
| ANSC 4652 | Stocker-Feedlot Cattle Management | |
| Animal Science Electives | | 13 |
| Select 13 hours from the following: | | |
| ANSC 3003 | Applied Animal Parasitology | |
| ANSC 3013 | Parasitisms of Domesticated Non-Herbivores | |
| ANSC 3032 | Course ANSC 3032 Not Found | |
| ANSC 3042 | Course ANSC 3042 Not Found | |
| ANSC 3123 | Principles of Genetics | |
| ANSC 3152 | Applied Animal Nutrition | |
| & ANSC 3151L | and Course ANSC 3151L Not Found | |
| ANSC 3333 | Diseases of Livestock | |

ANSC 3613

Meat Science

Equine System ConcentrationANSC 2003

Introduction to Equine Industry

ANSC 3723

Horse and Livestock Merchandising

ANSC 4282**Course ANSC 4282 Not Found**ANSC 2333

Introduction to Animal Health

or **ANSC 3003 OR ANSC 3333** **Course ANSC 3003 OR ANSC 3333 Not Found****Select 10 hours from the following:**ANSC 2303L

Introduction to Horsemanship

~~ANSC 3282~~~~Livestock Judging and Selection~~~~ANSC 3291~~~~Livestock Junior Judging Team Activity~~~~ANSC 3491L~~~~Artificial Insemination in Cattle~~ANSC 3072

Equine Selection and Evaluation

ANSC 3753

Equine Assisted Activities and Therapies

~~ANSC 400V~~~~Special Problems~~~~ANSC 401V~~~~Internship in Animal Sciences~~~~ANSC 4072~~~~Advanced Equine Selection and Evaluation~~~~ANSC 410V~~~~Special Topics in Animal Sciences~~ANSC 4123

Legal Issues in Animal Agriculture

~~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 1601L~~~~Principles of Zoology Laboratory (ACTS Equivalency = BIOL 1054 Lab)~~~~BIOL 1603~~~~Principles of Zoology (ACTS Equivalency = BIOL 1054 Lecture)~~~~BIOL 2531L~~~~Cell Biology Laboratory~~~~BIOL 2533~~~~Cell Biology~~~~CSES 1203~~~~Introduction to Plant Sciences~~~~CSES 2013~~~~Pest Management~~~~CHEM 1101L~~~~University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)~~~~CHEM 1103~~~~University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture)~~~~CHEM 1121L~~~~University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)~~~~CHEM 1123~~~~University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture)~~~~CHEM 2261L~~~~Analytical Chemistry Laboratory~~~~CHEM 2263~~~~Analytical Chemistry Lecture~~~~MATH 1213~~~~Plane Trigonometry (ACTS Equivalency = MATH 1203) (- or higher)~~~~PHYS 2011L~~~~College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab)~~~~PHYS 2013~~~~College Physics I (ACTS Equivalency = PHYS 2014 Lecture)~~

PHYS-2031L College Physics II Laboratory (ACTS Equivalency = PHYS-2024 Lab)
 PHYS-2033 College Physics II (ACTS Equivalency = PHYS-2024 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 AGEC, AGED, AGME, AGST, BIOL, CHEM, CSES, FDSC, HORT, POSC, or WCOB.

General Electives

8

ANSC 4163 Companion Animal Nutrition
ANSC 4173 Thoroughbred Horse Industry
ANSC 4283 Horse Production

Discipline-Related Electives

13

Select 13 hours from the following:

ANSC 2213 Behavior of Domestic Animals
ANSC 4181 **Course ANSC 4181 Not Found**
ANSC 4303 Comparative Veterinary Anatomy
ANSC 4552 Forage-Ruminant Relations

Equine Concentration Required Courses

14

Total Hours

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 **an Equine Systems** 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 UAConnect Degree Audit for complete course list.)

| First Year | Units |
|--|----------------|
| | Fall Spring |
| <u>UNIV 1001</u> University Perspectives | 1 |
| ANSC 1001L Introductory to Animal Sciences Laboratory | 1 - |
| ANSC 1032 Introductory Animal Sciences | 2 - |
| <u>ENGL 1013</u> Composition I (ACTS Equivalency = ENGL 1013) | 3 |
| ANSC 1033 Course ANSC 1033 Not Found | 3 |
| <u>MATH 1203</u> College Algebra (ACTS Equivalency = MATH 1103) | 3 |

| | |
|--|----------------|
| <u>BIOL 1543</u> Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) | 4 |
| & <u>BIOL 1541L</u> Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab) | |
| ANSC 1041 Introduction to Companion Animal Industry | 1 - |
| or ANSC 1051 Introduction to the Livestock Industry | |
| ANSC 1781 Course ANSC 1781 Not Found | 1 |
| <u>ANSC 2003</u> Introduction to Equine Industry | 3 |
| ANSC 2252L Introduction to Livestock and Meat Evaluation | - 2 |
| Discipline-related Elective* (CHEM 1103/1101L if completing University Chemistry I&II requirement)- | 3-4 |
| <u>ENGL 1023</u> Composition II (ACTS Equivalency = ENGL 1023) | 3 |
| General Elective | 2 |
| ANSC 2113 Course ANSC 2113 Not Found | 4 |
| & ANSC 2111L Course ANSC 2111L Not Found | |
| Fine Arts/Humanities Core Elective** | 3 |
| Fine Arts/Humanities Core Elective* | - 3 |
| Year Total: | 15 15 |

Second Year

Units
FallSpring

| | |
|---|----------------|
| Choose 4 hours Chemistry from: | 4 - |
| <u>CHEM 1073</u> Fundamentals of Chemistry (ACTS Equivalency = CHEM 1214 Lecture) | 4 |
| & <u>CHEM 1071L</u> Fundamentals of Chemistry Laboratory (ACTS Equivalency = CHEM 1214 Lab) | |
| or <u>CHEM 1123</u> and <u>CHEM 1121L</u> | |
| CHEM 1123 University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) | - - |
| & CHEM 1121L University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab) | |
| ANSC 3213 Course ANSC 3213 Not Found | 3 |
| US History or Government Core Elective* | 3 |
| ANSC 3723 Horse and Livestock Merchandising | 3 - |
| ANSC 3433 Fundamentals of Reproductive Physiology | 3 - |
| ANSC 2781 Career Preparation and Development | 1 - |
| Equine Systems Elective* | 3 |
| Social Science Core Elective* | 3 |
| ANSC 3072 Equine Selection and Evaluation | - 2 |
| ANSC 3133 Animal Breeding and Genetics | - 3 |
| Communication Intensive Elective* | - 3 |
| Discipline-related Elective* | - 5 |
| Social Science Core Elective* | - 3 |
| ANSC 2333 Introduction to Animal Health | 3 |
| or ANSC 3003 Applied Animal Parasitology | |
| or ANSC 3333 Diseases of Livestock | |
| BIOL 2013 General Microbiology (ACTS Equivalency = BIOL 2004 Lecture) | 4 |
| & BIOL 2011L General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab) | |

| | |
|--|----------|
| Equine Systems Elective* | 2 |
| Chemistry or Physical Science Elective* | 4 |
| General Elective | 2 |
| Year Total: | 16 15 |

Third Year Units
FallSpring

| | |
|---|----------------|
| ANSC 4142 Advanced Animal Handling Techniques | 2 - |
| Animal Science Electives* | 5 - |
| Select one of the following: | 4 - |
| CHEM 3603 Organic Chemistry I | - - |
| & CHEM 3601L Organic Chemistry I Laboratory | |
| CHEM 2613 Organic Physiological Chemistry (ACTS Equivalency = CHEM 1224 Lecture) | - - |
| & CHEM 2611L Organic Physiological Chemistry Laboratory (ACTS Equivalency = CHEM 1224 Lab) | |
| BIOL 2013 General Microbiology (ACTS Equivalency = BIOL 2004 Lecture) | 4 - |
| & BIOL 2011L General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab) | |
| ANSC 3433 Fundamentals of Reproductive Physiology | 3 |
| ANSC 3143 Principles of Animal Nutrition | 4 |
| & ANSC 3141L Animal Nutrition Laboratory | |
| Fine Arts/Humanities Core Elective* | 3 |
| ANSC 3723 Horse and Livestock Merchandising | 3 |
| Equine Systems Elective* | 3 |
| ANSC 4173 Thoroughbred Horse Industry | - 3 |
| or ANSC 4283 Horse Production | |
| Animal Science Electives* | - 5 |
| ANSC 3143 Principles of Animal Nutrition | - 3 |
| Social Science Core Elective* | 3 |
| ANSC 3133 Animal Breeding and Genetics | 3 |
| ANSC 3033 Animal Physiology | 3 |
| ANSC 4282 Course ANSC 4282 Not Found | 2 |
| Communication Intensive Elective* | 3 |
| Year Total: | 16 14 |

Fourth Year Units
FallSpring

| | |
|--|----------------|
| ANSC Core Elective* | 2 |
| Equine Systems Elective* | 2 |
| General Elective | 6 |
| Communication Intensive Elective* | 3 - |
| History Core Elective* | 3 - |
| Social Science Core Elective* | 3 |

| | |
|---|------------------|
| ANSC 4993 Course ANSC 4993 Not Found | 3 |
| ANSC 4283 Horse Production | - 3 |
| or ANSC 4173 Thoroughbred Horse Industry | |
| ANSC Core Elective* | 2 |
| Discipline-related Electives* | - 1-2 |
| Communication Intensive Elective* | 3 |
| General Electives | 8 |
| Year Total: | 16 13 |
| Total Units in Sequence: | 120 |

Are Similar Programs available in the area?

No

Estimated Student Demand for Program 60

Scheduled Program **See ANSCBS March**

Review Date **2015**

Program Goals and

Objectives

Program Goals and Objectives

See ANSCBS program requirements. ~~Program Goals and Objectives 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

| 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 Equine Systems concentration is a modification of our previous Animal Science Equine 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 Equine Systems concentration was modified from the previous ANSC Concentration to better address the needs of our current and projected student populations.</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 1:37 pm): Cleaned up header in program requirements field with permission from submitter.

Alice Griffin (agriffin) (01/27/20 1:40 pm): Courses in red box have been submitted for approval.

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.