



## New Program Report

**Date Submitted:**

04/28/2020

**Institution**

Missouri State University

**Site Information**

**Implementation Date:**

8/1/2020 12:00:00 AM

**Added Site(s):**

**Selected Site(s):**

Missouri State University, 901 South National, Springfield, MO, 65897

**CIP Information**

**CIP Code:**

010307

**CIP Description:**

A program that prepares individuals to manage the selection, breeding, care, and maintenance of work, athletic, and show horses; and to manage horse farms, stables, tracks and related equipment and operations. Includes instruction in applicable principles of animal science, care, and health; stable and track management; design and operation of facilities and equipment; and related issues such as regulations, business management; and logistics.

**CIP Program Title:**

Horse Husbandry/Equine Science and Management

**Institution Program Title:**

Equine Science

**Degree Level/Type**

**Degree Level:**

Bachelor's Degree

**Degree Type:**

Bachelor of Science

**Options Added:**

Collaborative Program:

N

**Mode of Delivery**

Current Mode of Delivery

Classroom

**Student Preparation**

Special Admissions Procedure or Student Qualifications required:

N/A



## New Program Report

Specific Population Characteristics to be served:

n/a

Faculty Characteristics

Special Requirements for Assignment of Teaching for this Degree/Certificate:

N/A

Estimate Percentage of Credit Hours that will be assigned to full time faculty:

100

Expectations for professional activities, special student contact, teaching/learning innovation:

N/A

Student Enrollment Projections Year One-Five

<b>Year 1</b>	<b>Full Time: 8</b>	<b>Part Time: 2</b>	
<b>Year 2</b>	<b>Full Time: 20</b>	<b>Part Time: 5</b>	
<b>Year 3</b>	<b>Full Time: 20</b>	<b>Part Time: 5</b>	<b>Number of Graduates: 15</b>
<b>Year 4</b>	<b>Full Time: 20</b>	<b>Part Time: 5</b>	
<b>Year 5</b>	<b>Full Time: 20</b>	<b>Part Time: 5</b>	<b>Number of Graduates: 15</b>

**Percentage Statement:**

n/a

Program Accreditation

Institutional Plans for Accreditation:

N/A

Program Structure

**Total Credits:**

120

**Residency Requirements:**

40

**General Education Total Credits:**

46

**Major Requirements Total Credits:**

61

**Course(s) Added**

COURSE NUMBER	CREDITS	COURSE TITLE
AGB 103	4	Agricultural Economics I

**Free Elective Credits:**

13

**Internship or other Capstone Experience:**

AGS 461 (Equine Nutrition and Physiology) as the capstone course.

**Assurances**



## **New Program Report**

I certify that the program is clearly within the institution's CBHE-approved mission. The proposed new program must be consistent with the institutional mission, as well as the principal planning priorities of the public institution, as set forth in the public institution's approved plan or plan update.

I certify that the program will be offered within the proposing institution's main campus, CBHE-approved service region or CBHE-approved off-site location.

I certify that the program will not unnecessarily duplicate an existing program within the geographically applicable area.

I certify that the program will build upon existing programs and faculty expertise.

I certify that the program can be launched with minimal expense and falls within the institution's current operating budget.

I certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms of meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.

### Contact Information

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Tiggemann

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Phone: 417-836-5586

## Equine Science (Comprehensive)

### Bachelor of Science

#### A. General Education Program and Requirements

Specific General Education Requirements: **BIO 101(3)** and **111(1)** or **BIO 121(4)**; **GEP 101(2)** or **UHC 110(2)** or **AGR 301(1)**; **MTH 130(3)** or higher **CHM 107(3)** and **108(1)** or **CHM 116(4)** or **CHM 160 (4)**

#### B. Major Requirements

1. **AGB 144(4)**, **584**; **AGP 103(3)** or **AGN 115(3)**; **AGP 365(3)** or **370(3)**; **AGR 300(3)**, **490(1)**; **AGS 101(4)**, **191 (2)**, **301(3)**, **302(3)**, **310(3)**, **311(3)**, **316(3)**, **366(3)**, **361(3)**, **362(2)** or **365 (2)**
2. Public Affairs Capstone Experience Requirement: **461(3)**.
3. Select a minimum of **12** hours from the following two groups of courses including at least **6** hours from Group A, **3** hours from Group B, and an additional **3** hours from Groups A or B.
  - a. Group A courses: **AGR 399(1-5)**; **161(3)**, **162(1)**, **163(1)**, **164(1)**, **185(3)**, **262(2)**, **263(1)**, **264(1)**, **306(3)**, **342(2)**, **346(2)**, **361(3)**, **362(3)**, **363(1)**, **364(1)**, **385(3)**, **389(3)**, **402(3)**, **432(3)**, **442(3)**, **446(3)**, **452(3)**, **453(3)**, **462(2)**, **492(1-3)**, **511(3)**
  - b. Group B courses: **AGB 314(3)**, **334(3)**, **344(3)**, **354(2)**, **364(3)**, **374(3)**, **384(2)**, **394(1)**, **444(3)**, **494(1)**, **514(3)**, **524(3)**, **534(3)**, **584(3)**, **594(3)**; **AGN 143(3)**, **215(3)**, **216(1)**, **335(3)**, **343(4)**, **351(2)**, **405(3)**, **455(3)**, **543(3)**; **AGR 250(2)**, **330(3)**, **370(3)**, **377(3)**, **399(1-5)**, **499(1-3)**; **AGP 325(3)**, **333(3)**, **363(3)**, **365(3)**, **370(3)**, **393(3)**; **AGC 183(3)**, **323(3)**, **333(3)**
  - c. General Baccalaureate Degree Requirements



- PUBLIC
- INDEPENDENT

**NEW PROGRAM PROPOSAL FOR ROUTINE REVIEW**

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*When finished, please save and email to: [he.academicprogramactions@dhe.mo.gov](mailto:he.academicprogramactions@dhe.mo.gov)*

**Sponsoring Institution:**

**Program Title:** Equine Science

**Degree/Certificate:**

**If other, please list:** Bachelor of Science

**Options:** ,

**Delivery Site:** Missouri State Springfield Campus

**CIP Classification:** 01.0307

**Implementation Date:** 8/1/2020

**Is this a new off-site location?**  Yes  No

**If yes, is the new location within your institution's current CBHE-approved service region?**

*\*If no, public institutions should consult the comprehensive review process*

**Is this a collaborative program?**  Yes  No

*\*If yes, please complete the collaborative programs form on last page.*

**CERTIFICATIONS**

- The program is within the institution's CBHE approved mission. *(public only)*
- The program will be offered within the institution's CBHE approved service region. *(public only)*
- The program builds upon existing programs and faculty expertise
- The program does not unnecessarily duplicate an existing program in the geographically-applicable area.
- The program can be launched with minimal expense and falls within the institution's current operating budget. *(public only)*

**AUTHORIZATION**

Frank Einhellig, Provost		4/24/2020
Name/Title of Institutional Officer	Signature	Date

## **PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS**

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Although all of the following guidelines may not be applicable to the proposed program, please carefully consider the elements in each area and respond as completely as possible in the format below.

Quantification of performance goals should be included wherever possible.

### **1. Student Preparation**

- Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.
  
- Characteristics of a specific population to be served, if applicable.

### **2. Faculty Characteristics**

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.
  
- Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here.  
100%
  
- Expectations for professional activities, special student contact, teaching/learning innovation.

### **3. Enrollment Projections**

- Student FTE majoring in program by the end of five years.  
20
  
- Percent of full time and part time enrollment by the end of five years.  
80%

#### **STUDENT ENROLLMENT PROJECTIONS**

YEAR	1	2	3	4	5
Full Time	8	20	20	20	20
Part Time	2	5	5	5	5
Total	10	25	25	25	25

### **4. Student and Program Outcomes**

- Number of graduates per annum at three and five years after implementation.  
15
  
- Special skills specific to the program.
  
- Proportion of students who will achieve licensing, certification, or registration.  
0%

- Performance on national and/or local assessments, e.g., percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected results on assessments of general education and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.
- Placement rates in related fields, in other fields, unemployed.  
80%
- Transfer rates, continuous study.

**5. Program Accreditation**

- Institutional plans for accreditation, if applicable, including accrediting agency and timeline. If there are no plans to seek specialized accreditation, please provide rationale.

**6. Program Structure**

- A. Total credits required for graduation: 120
- B. Residency requirements, if any:  
40
- C. General education: Total credits:  
46-49

*Courses (specific courses OR distribution area and credits)*

Distribution Area	Credits	Course Title
Foundations	2	First-Year Seminar
	3	Written Communication & Info Literacy
	3	Oral Communication
	3-5	Quantitative Literacy
	3	Written Comm. & Integrative & Applied Learning
Natural World	3-4	Life Sciences
	3-5	Physical Sciences
Human Cultures	6	Social and Behavioral Sciences
	3	Humanities
	3	The Arts
Public Affairs	6	US & MO Constitutions/American History and Institutions
	3	Cultural Competence
	3	Public Issues

- D. Major requirements: Total credits: 61

Course Number	Credits	Course Title
AGB 144	4	Agricultural Economics I
AGB 584	3	Farm Business Management

AGP 103 or AGN 115	3	Plant Science of Sustainable Agriculture and the Environment
AGP 365 or AGP 375	3	Grain Crops for Food and Energy or Forage Crops for Animals and the Environment
AGR 300	3	Food and Agricultural Chemistry
AGR 490	1	Senior Seminar
AGS 101	4	Animal Science
AGS 191	3	Evaluation and Performance Appraisal of Horses
AGS 301	3	Physiology of Farm Animals
AGS 302	3	Farm Animal Reproduction
AGS 310	3	Animal Nutrition
AGS 311	3	Feeds and Feeding
AGS 316	3	Animal Breeding
AGS 361	3	Horse Management and Training
AGS 366	3	Stable Management
AGS 362 or AGS 365	2	Riding Instruction or Equine Assisted Activities and Therapy
AGS 461	3	Equine Nutrition and Physiology
Agriculture Electives	11	Electives in Agriculture a minimum of 3 from non-Animal Science disciplines

E. Free elective credits: 10-13

*(sum of C, D, and E should equal A)*

F. Requirements for thesis, internship or other capstone experience:

Students will be required to take AGS 461 as the capstone course

G. Any unique features such as interdepartmental cooperation:

## 7. Need/Demand

Student demand

Market demand

Societal demand

I hereby certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful.

***On July 1, 2011, the Coordinating Board for Higher Education began provisionally approving all new programs with a subsequent review and consideration for full approval after five years.***



## COLLABORATIVE PROGRAMS

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- **Sponsoring Institution One:**
- **Sponsoring Institution Two:**
- **Other Collaborative Institutions:**
- **Length of Agreement:**
- **Which institution(s) will have degree-granting authority?**
- **Which institution(s) will have the authority for faculty hiring, course assignment, evaluation and reappointment decisions?**
- **What agreements exist to ensure that faculty from all participating institutions will be involved in decisions about the curriculum, admissions standards, exit requirements?**
- **Which institution(s) will be responsible for academic and student-support services, e.g., registration, advising, library, academic assistance, financial aid, etc.?**
- **What agreements exist to ensure that the academic calendars of the participating institutions have been aligned as needed?**

*Please save and email this form to: [he.academicprogramactions@dhe.mo.gov](mailto:he.academicprogramactions@dhe.mo.gov)*

This program will attract students with a non-agricultural background to Animal Science and prepare them for careers in the equine and livestock industry.

## Equine Science (Comprehensive)

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There will be no additional cost. Courses are already being taught.