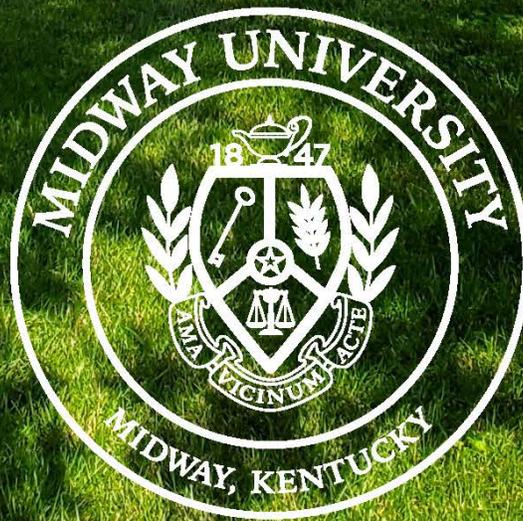


2021-22 ACADEMIC CATALOG



# Midway University Course Catalog - Equine Studies

## Table of Contents

|   |   |
|---|---|
| Midway University.....  |   |
| Course Catalog - Equine Studies.....  |   |
| Equine Studies.....   | 2 |
| Admission Criteria.....   | 2 |
| Bachelor of Science in Equine Studies with a Concentration in Equine Management -<br>Bachelor of Science in Equine Studies with a Concentration in Equine Management.....         | 3 |
| Admission Criteria.....   | 3 |
| Student Learning Outcomes of Program.....   | 4 |
| Requirements.....   | 4 |
| Bachelor of Science in Equine Studies with a Concentration in Equine Rehabilitation -<br>Bachelor of Science in Equine Studies with a Concentration in Equine Rehabilitation..... | 5 |
| Admission Criteria.....   | 5 |
| Student Learning Outcomes of Program.....   | 6 |
| Requirements.....   | 6 |
| Bachelor of Science in Equine Studies with a Concentration in Science - Bachelor of<br>Science in Equine Studies with a Concentration in Science.....                             | 7 |
| Admission Criteria.....   | 7 |
| Student Learning Outcomes of Program.....   | 8 |
| Requirements.....   | 8 |
| Equine Studies Minor - Equine Studies Minor.....  | 9 |
| Requirements.....   | 9 |

## Equine Studies

### Admission Criteria

To be fully accepted into the Equine Studies major, students must meet the following requirements by the end of the spring semester of the second academic year:

- Have completed Biology and Chemistry in high school with grades of C or above, or have completed Biology 103/104 or Chemistry 150/151 or higher at Midway University with a minimum grade of C in order to demonstrate acceptable levels of scientific knowledge.
- Complete EQS 109 and 111 with a minimum grade of C in order to demonstrate appropriate knowledge of management procedures in the University's equine facilities as well as work ethic, attitude, and ability to work with others. In addition to scheduled class time, students will be

required to complete additional hours some afternoons during the week and one weekend a month at the University's equine facilities.

- Complete EQS 165 and 215/216 with a minimum grade of C to demonstrate basic understanding of the equine industry and basic equine anatomy and physiology.
  - Demonstrate the ability to handle horses on the ground according to criteria developed by the Equine Studies faculty and staff.
  - Cumulative GPA of 2.5 during first year of attendance
  - Interview with committee of faculty, staff, and industry professionals.
- 
- 

## **Bachelor of Science in Equine Studies with a Concentration in Equine Management - Bachelor of Science in Equine Studies with a Concentration in Equine Management**

**Type:**Major

The Equine Studies program at Midway University seeks to prepare students to enter the equine industry. Students have opportunities to work with a variety of horses and to perform multiple tasks in a farm setting, thereby learning basic horse handling techniques as well as barn and farm management principles and practices. Through academic preparation in theories and methods, students acquire the basis on which to make decisions affecting horse care; and through more focused knowledge in science, horse rehabilitation, farm management, and business practices, students prepare for graduate school or for entry-level positions in their choice of professions within the equine industry. Students will also have opportunities to apply the knowledge gained in class through application on the University's farm.

Applicants to the Equine Studies program (EQS) are admitted into Midway University through the Office of Admissions as pre-Equine majors.

### **Admission Criteria**

To be fully accepted into the Equine Studies major, students must meet the following requirements by the end of the spring semester of the second academic year:

- Have completed Biology and Chemistry in high school with grades of C or above, or have completed Biology 103/104 or Chemistry 150/151 or higher at Midway University with a minimum grade of C in order to demonstrate acceptable levels of scientific knowledge.
- Complete EQS 109 and 111 with a minimum grade of C in order to demonstrate appropriate knowledge of management procedures in the University's equine facilities as well as work ethic, attitude, and ability to work with others. In addition to scheduled class time, students will be required to complete additional hours some afternoons during the week and one weekend a month at the University's equine facilities.
- Complete EQS 165 and 215/216 with a minimum grade of C to demonstrate basic understanding of the equine industry and basic equine anatomy and physiology.
- Demonstrate the ability to handle horses on the ground according to criteria developed by the Equine Studies faculty and staff.
- Cumulative GPA of 2.5 during first year of attendance.

- Interview with committee of faculty, staff, and industry professionals.

## **Student Learning Outcomes of Program**

Students who graduate with a degree in equine studies will be able to:

- Implement and assess safe, ethical, and sustainable equine management practices utilizing emerging technologies related to the global equine industry.
- Demonstrate awareness of the diversity of the equine industry, and acceptance of this diversity.
- Demonstrate practical knowledge, skills, and work ethic required to be a competent member of the equine industry.
- Utilize knowledge of equine anatomy and physiology to make equine management decisions.
- Communicate effectively with members of the equine industry.

## **Requirements**

### **Major Course Requirements**

Equine Farm Operations I - 4 hours

Equine Farm Operations II - 4 hours

Introduction to Equine Studies - 3 hours

Equine Healthcare Management - 3 hours

Equine Anatomy and Physiology - 3 hours

Equine Anatomy and Physiology Laboratory - 1 hour

Feeds, Feeding and Forages - 3 hours

Writing in Equine Studies - 3 hours

Equine Behavior - 3 hours

Equine Internship - 3 hours

Animal Ethics, Welfare, Rights, and Law - 3 hours

Equine Studies Capstone - 3 hours

Equine Senior Seminar - 1 hour

### **Concentration in Equine Management**

Equine Farm Operations Management I - 4 hours

Equine Farm Operations Management II - 4 hours

Equine Reproductive Management - 3 hours

Pasture Management - 3 hours

Equine Facilities Management - 3 hours

Equine Facility Design - 3 hours

General Education Hours - 40

Elective Hours - 19-23

Total Hours to Complete - 120

---

## **Bachelor of Science in Equine Studies with a Concentration in Equine Rehabilitation - Bachelor of Science in Equine Studies with a Concentration in Equine Rehabilitation**

### **Type:Major**

The Equine Studies program at Midway University seeks to prepare students to enter the equine industry. Students have opportunities to work with a variety of horses and to perform multiple tasks in a farm setting, thereby learning basic horse handling techniques as well as barn and farm management principles and practices. Through academic preparation in theories and methods, students acquire the basis on which to make decisions affecting horse care; and through more focused knowledge in science, horse rehabilitation, farm management, and business practices, students prepare for graduate school or for entry-level positions in their choice of professions within the equine industry. Students will also have opportunities to apply the knowledge gained in class through application on the University's farm.

Applicants to the Equine Studies program (EQS) are admitted into Midway University through the Office of Admissions as pre-Equine majors.

### **Admission Criteria**

To be fully accepted into the Equine Studies major, students must meet the following requirements by the end of the spring semester of the second academic year:

- Have completed Biology and Chemistry in high school with grades of C or above, or have completed Biology 103/104 or Chemistry 150/151 or higher at Midway University with a minimum grade of C in order to demonstrate acceptable levels of scientific knowledge.
- Complete EQS 109 and 111 with a minimum grade of C in order to demonstrate appropriate knowledge of management procedures in the University's equine facilities as well as work ethic, attitude, and ability to work with others. In addition to scheduled class time, students will be required to complete additional hours some afternoons during the week and one weekend a month at the University's equine facilities.
- Complete EQS 165 and 215/216 with a minimum grade of C to demonstrate basic understanding of the equine industry and basic equine anatomy and physiology.
- Demonstrate the ability to handle horses on the ground according to criteria developed by the Equine Studies faculty and staff.
- Cumulative GPA of 2.5 during first year of attendance.
- Interview with committee of faculty, staff, and industry professionals.

## **Student Learning Outcomes of Program**

Students who graduate with a degree in equine studies will be able to:

- Implement and assess safe, ethical, and sustainable equine management practices utilizing emerging technologies related to the global equine industry.
- Demonstrate awareness of the diversity of the equine industry, and acceptance of this diversity.
- Demonstrate practical knowledge, skills, and work ethic required to be a competent member of the equine industry.
- Utilize knowledge of equine anatomy and physiology to make equine management decisions.
- Communicate effectively with members of the equine industry.

## **Requirements**

### **Major Course Requirements**

Equine Farm Operations I - 4 hours

Equine Farm Operations II - 4 hours

Introduction to Equine Studies - 3 hours

Equine Healthcare Management - 3 hours

Equine Anatomy and Physiology - 3 hours

Equine Anatomy and Physiology Laboratory - 1 hour

Feeds, Feeding and Forages - 3 hours

Writing in Equine Studies - 3 hours

Equine Behavior - 3 hours

Equine Internship - 3 hours

Animal Ethics, Welfare, Rights, and Law - 3 hours

Equine Studies Capstone - 3 hours

Equine Senior Seminar - 1 hour

### **Concentration in Equine Rehabilitation**

Equine Rehabilitation I - 3 hours

Equine Rehabilitation II - 3 hours

Integrative Performance Clinical - 3 hours

Exercise Physiology - 3 hours

Exercise Physiology - 3 hours

Equine Rehabilitation III - 3 hours

Eastern Medicine - 3 hours

Equine Nutrition and Pharmacology - 3 hours

General Education Hours - 40

Elective Hours - 19-23

Total Hours to Complete - 120

---

## **Bachelor of Science in Equine Studies with a Concentration in Science - Bachelor of Science in Equine Studies with a Concentration in Science**

**Type:**Major

### **Program Description**

The Equine Studies program at Midway University seeks to prepare students to enter the equine industry. Students have opportunities to work with a variety of horses and to perform multiple tasks in a farm setting, thereby learning basic horse handling techniques as well as barn and farm management principles and practices. Through academic preparation in theories and methods, students acquire the basis on which to make decisions affecting horse care; and through more focused knowledge in science, horse rehabilitation, farm management, and business practices, students prepare for graduate school or for entry-level positions in their choice of professions within the equine industry. Students will also have opportunities to apply the knowledge gained in class through application on the University's farm.

Applicants to the Equine Studies program (EQS) are admitted into Midway University through the Office of Admissions as pre-Equine majors.

### **Admission Criteria**

To be fully accepted into the Equine Studies major, students must meet the following requirements by the end of the spring semester of the second academic year:

- Have completed Biology and Chemistry in high school with grades of C or above, or have completed Biology 103/104 or Chemistry 150/151 or higher at Midway University with a minimum grade of C in order to demonstrate acceptable levels of scientific knowledge.
- Complete EQS 109 and 111 with a minimum grade of C in order to demonstrate appropriate knowledge of management procedures in the University's equine facilities as well as work ethic, attitude, and ability to work with others. In addition to scheduled class time, students will be required to complete additional hours some afternoons during the week and one weekend a month at the University's equine facilities.
- Complete EQS 165 and 215/216 with a minimum grade of C to demonstrate basic understanding of the equine industry and basic equine anatomy and physiology.
- Demonstrate the ability to handle horses on the ground according to criteria developed by the Equine Studies faculty and staff.
- Cumulative GPA of 2.5 during first year of attendance.
- Interview with committee of faculty, staff, and industry professionals.

## **Student Learning Outcomes of Program**

Students who graduate with a degree in equine studies will be able to:

- Implement and assess safe, ethical, and sustainable equine management practices utilizing emerging technologies related to the global equine industry.
- Demonstrate awareness of the diversity of the equine industry, and acceptance of this diversity.
- Demonstrate practical knowledge, skills, and work ethic required to be a competent member of the equine industry.
- Utilize knowledge of equine anatomy and physiology to make equine management decisions.
- Communicate effectively with members of the equine industry.

**Students must complete a minimum of 21 hours of courses which meet the prerequisite requirements for graduate studies in veterinary or animal sciences at the universities of interest. These are typically courses from the sciences (Biology, Chemistry and Physics), mathematics, and select Equine Studies courses. Students are encouraged to use additional courses in these areas to complete the elective requirements.**

## **Requirements**

### **Major Course Requirements**

Equine Farm Operations I - 4 hours

Equine Farm Operations II - 4 hours

Introduction to Equine Studies - 3 hours

Equine Healthcare Management - 3 hours

Equine Anatomy and Physiology - 3 hours

Equine Anatomy and Physiology Laboratory - 1 hour

Feeds, Feeding and Forages - 3 hours

Writing in Equine Studies - 3 hours

Equine Behavior - 3 hours

Equine Internship - 3 hours

Animal Ethics, Welfare, Rights, and Law - 3 hours

Equine Studies Capstone - 3 hours

Equine Senior Seminar - 1 hour

### **Concentration in Science (Minimum 20 hours required)**

Microbiology - 3 hours

Microbiology Laboratory - 1 hour

Cell Biology - 3 hours

Histology - 2 hours

Histology Laboratory - 2 hours  
Genetics and Molecular Biology - 3 hours  
Immunology - 3 hours  
Immunology Laboratory - 1 hour  
Genetics and Molecular Biology Laboratory - 1 hour  
Organic Chemistry I - 3 hours  
Organic Chemistry Laboratory I - 1 hour  
Organic Chemistry II - 3 hours  
Organic Chemistry Laboratory II - 1 hour  
Biochemistry - 3 hours  
Biochemistry Laboratory - 1 hour  
Equine and Comparative Anatomy and Physiology - 3 hours  
Animal Nutrition - 3 hours  
Physics I - 3 hours  
Physics Laboratory I - 1 hour  
General Education Hours - 40  
Elective Hours - 19-23  
Total Hours to Complete - 120

---

## **Equine Studies Minor - Equine Studies Minor**

**Type:**Minor

The minor in Equine Studies will provide students with the knowledge needed to obtain a position in an equine-related field that requires a degree or special training in another field of study. The minor will be beneficial for students pursuing a career in equine-assisted activities as well as for students interested in attending post-graduate programs in animal/equine science or veterinary school.

### **Requirements**

#### **Minor Requirements**

Equine Farm Operations I - 4 hours  
Equine Farm Operations II - 4 hours  
Introduction to Equine Studies - 3 hours  
Equine Anatomy and Physiology - 3 hours  
Equine Anatomy and Physiology Laboratory - 1 hour

**Choose one of the following courses:**

Feeds, Feeding and Forages - 3 hours

Equine Reproductive Management - 3 hours

Equine Behavior - 3 hours

Equine and Comparative Anatomy and Physiology - 3 hours

Pasture Management - 3 hours

Animal Nutrition - 3 hours

Exercise Physiology - 3 hours

Equine Nutrition and Pharmacology - 3 hours

Elective Hours - 0

Total Hours to Complete - 18

`#{majorMinorDetails}`

Last updated: 06/29/2021

**Midway University**

512 E. Stephens Street, Midway, KY 40347

1.800.952.4122