# Ozarks Technical Community College

OTC Associate of Arts in Agriculture: Animal Science to MSU Bachelor of Science in Animal Science

The following is a guide to graduation with completion of OTC's Associate of Arts in Agriculture and MSU's Bachelor of Science in Animal Science degree. The degree may be completed on campus only. This is a comprehensive major meaning it does not require completion of a minor. Courses are sequenced to provide guidance and to help ensure that prerequisite requirements are met. Catalog Year: 2022-2023. Date Modified: 6.22.22.

MSU Transfer Advisor: Dr. Gary Webb, [GaryWebb@MissouriState.edu](mailto:GaryWebb@MissouriState.edu), 417-837-2503

Finish in 4 Go Bears Missouri State University

### OTC Year 1 Semester 1

Animal Science Course18 credit hours required for A.A.

* OTC Course ID/Title: AGR 101 Introduction to Agriculture Industry
* Credit Hours: 3
* MSU Equivalent: AGR 000
* Meets Core 42: No
* MSU Major Requirement: No

Written Communications - 6 credit hours

* OTC Course ID/Title: Choose one: ENG 100 Composition 1 with support, ENG 101 Composition
* Credit Hours: 3-5
* MSU Equivalent: ENG 110
* Meets Core 42: Yes
* MSU Major Requirement: No

Animal Science Course18 credit hours required for A.A.

* OTC Course ID/Title: AGR 160 Animal Science
* Credit Hours: 4
* MSU Equivalent: AGS 101
* Meets Core 42: No
* MSU Major Requirement: Yes

Mathematical Sciences3 credit hours

* OTC Course ID/Title: Choose one: MTH 128 Contemporary Mathematics, MTH 138 Pre-Calculus Mathematics, MTH 140 Analytic Geometry and Calculus 1
* Credit Hours: 3-5
* MSU Equivalent: MTH 130, MTH 138, MTH 261
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Semester 1 Total = 13-17 credit hours

### OTC Year 1 Semester 2

Social/Behavioral Sciences – 9 credit hours Civics Requirement

OTC Course ID/Title: Choose one: HST 120 U.S. History 1: to 1865, HST 130 U.S. History 2: 1865 – Present, PLS 101 American Government and Politics

* Credit Hours: 3
* MSU Equivalent: HST 121, HST 122, PLS 101
* Meets Core 42: Yes
* MSU Major Requirement: No

Written Communications - 6 credit hours

* OTC Course ID/Title: Choose one: ENG 102 Composition 2, ENG 150 Technical Writing
* Credit Hours: 3
* MSU Equivalent: ENG 210, ENG 221
* Meets Core 42: Yes
* MSU Major Requirement: No

Animal Science Course - 18 credit hours required for A.A.

* OTC Course ID/Title: Choose one: AGR 362 Livestock Management
* Credit Hours: 4
* MSU Equivalent: AGR 100
* Meets Core 42: No
* MSU Major Requirement: No

Humanities and Fine Arts - 9 credit hours (Must fulfill 2 disciplines)

* OTC Course ID/Title: Choose one: ART 100, ART 101, ART 105, ART 120▲, ASL 101, ASL 102, CHN 101, ENG 180, ENG 240, ENG 241, ENG 260, ENG 265, ENG 270, ENG 271, FRN 101, FRN 102, GRM 101, GRM 102, HUM 101, MUS 101, MUS 105, MUS 106, MUS 110, MUS 235\*▲, PHL 101, PHL 105, REL 100, REL 101, REL 102, SPN 101, SPN 102, THR 101
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Natural Sciences - 7 credit hours (Must fulfill 2 disciplines including one course with a lab component)

* OTC Course ID/Title: CHM 101 Introductory Chemistry
* Credit Hours: 4
* MSU Equivalent: CHM 116 and 117
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Semester 2 Total = 17 credit hours

### OTC Year 2 Semester 3

Oral Communications - 3 credit hours

* OTC Course ID/Title: Choose one: COM 100, COM 105, COM 200
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Humanities and Fine Arts - 9 credit hours (Must fulfill 2 disciplines)

* OTC Course ID/Title: Choose one: ART 100, ART 101, ART 105, ART 120▲, ASL 101, ASL 102, CHN 101, ENG 180, ENG 240, ENG 241, ENG 260, ENG 265, ENG 270, ENG 271, FRN 101, FRN 102, GRM 101, GRM 102, HUM 101, MUS 101, MUS 105, MUS 106, MUS 110, MUS 235\*▲, PHL 101, PHL 105, REL 100, REL 101, REL 102, SPN 101, SPN 102, THR 101
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Social/Behavioral Sciences - 9 credit hours - (Must fulfill 2 disciplines)

* OTC Course ID/Title: ANT 101ANT 220 COM 150CRM 210ECO 270ECO 275GRY 101HST 105 HST 106HST 120HST 130PLS 101PLS 201PSY 110PSY 130SOC 101SOC 210
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Animal Science Course - 18 credit hours required for A.A.

* OTC Course ID/Title: Choose one: AGR 180 Plant and Soil Science
* Credit Hours: 4
* MSU Equivalent: AGR 103
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Natural Sciences - 7 credit hours (Must fulfill 2 disciplines including one course with a lab component)

* OTC Course ID/Title: BIO 100 Life Sciences, BIO 160 General Biology 1
* Credit Hours: 4
* MSU Equivalent: BIO 101/111, BIO 121
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Semester 3 Total = 17 credit hours

### OTC Year 2 Semester 4

Humanities and Fine Arts - 9 credit hours (Must fulfill 2 disciplines)

* OTC Course ID/Title: Choose one: ART 100, ART 101, ART 105, ART 120▲, ASL 101, ASL 102, CHN 101, ENG 180, ENG 240, ENG 241, ENG 260, ENG 265, ENG 270, ENG 271, FRN 101, FRN 102, GRM 101, GRM 102, HUM 101, MUS 101, MUS 105, MUS 106, MUS 110, MUS 235\*▲, PHL 101, PHL 105, REL 100, REL 101, REL 102, SPN 101, SPN 102, THR 101
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Core Elective – 5 hours required for Core 42

* OTC Course ID/Title: Choose MOTR coded course(s) of your choice with the assistance of an advisor.
* Credit Hours: 4
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Social/Behavioral Sciences - 9 credit hours - (Must fulfill 2 disciplines)

* OTC Course ID/Title: ANT 101ANT 220 COM 150CRM 210ECO 270ECO 275GRY 101HST 105 HST 106HST 120HST 130PLS 101PLS 201PSY 110PSY 130SOC 101SOC 210
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Animal Science Course - 18 credit hours required for A.A.

* OTC Course ID/Title: Choose one: AGR 235 Soils
* Credit Hours: 3
* MSU Equivalent: AGN 215
* Meets Core 42: Yes
* MSU Major Requirement: No

Animal Science Course - 18 credit hours required for A.A.

* OTC Course ID/Title: Choose one: AGR 220 Agriculture Business Management
* Credit Hours: 3
* MSU Equivalent: AGB 374
* Meets Core 42: No
* MSU Major Requirement: No

Semester 4 Total = 16  
Total Hours at OTC = 63-67  
Total Hours Applied Toward MSU Major Requirements: 19-21

\* One credit hour course ▲May choose only one, falls under MOTR code 'PERF

# Missouri State University

MSU Bachelor of Science in Animal Science after OTC Associate of Science in Agriculture (Animal Science Option)

Date Modified: 6.22.22  
MSU Transfer Advisor: Dr. Gary Webb, [GaryWebb@MissouriState.edu](mailto:GaryWebb@MissouriState.edu), 417-837-2503  
  
Finish in 4 Go Bears Missouri State University

Courses are sequenced to provide guidance and to help ensure that prerequisite requirements are met.

Catalog Year: 2022-23

### MSU Year 3 Semester 1

Major Requirement

* MSU Course ID/Title: AGS 102 Animal Science Laboratory
* Credit hours: 1

Major Requirement

* MSU Course ID/Title: AGR 301 Agriculture Transfer Student Orientation
* Credit hours: 1

Major Requirement

* MSU Course ID/Title: AGS 302 Reproductive Physiology
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: AGB 144 Agricultural Economics 1
* Credit hours: 4

Major Requirement

* MSU Course ID/Title: AGR 300 Food and Agricultural Chemistry
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: AGS 310 Animal Nutrition
* Credit hours: 3

Semester 1 Total: 15 Credit Hours

### MSU Year 3 Semester 2

Major Requirement

* MSU Course ID/Title: AGS 366 Livestock Enterprise Management
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: AGS 301 Physiology of Farm Animals
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: AGS 311 Feeds and Feeding
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: Choose one: AGS 365 Grain Crops for Food, Feed and Energy, AGS 370 Forage Crops for Animals and the Environment
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: AGS 316 Animal Breeding
* Credit hours: 3

Semester 2 Total: 15 Credit Hours

### MSU Year 4 Semester 3

General Elective

* MSU Course ID/Title: Work with your MSU advisor to identify courses that will complement your specific career goals.
* Credit hours: 5

Major Requirement - Group A^

* MSU Course ID/Title: [Click here to view a complete list of all Group A courses](https://ag.missouristate.edu/AnimalScience/ProgramReq.htm).
* Credit hours: 2-3

Major Requirement - Group A or B^

* MSU Course ID/Title: [Click here to view a complete list of all Group A courses](https://ag.missouristate.edu/AnimalScience/ProgramReq.htm).
* Credit hours: 3-5

Major Requirement - Group A^

* MSU Course ID/Title: [Click here to view a complete list of all Group A courses](https://ag.missouristate.edu/AnimalScience/ProgramReq.htm).
* Credit hours: 3

Semester 3 Total: 13-16 Credit Hours

### MSU Year 4 Semester 4

Major Requirement - Group A or B^

* MSU Course ID/Title: [Click here to view a complete list of all Group A courses](https://ag.missouristate.edu/AnimalScience/ProgramReq.htm).
* Credit hours: 4-5

Major Requirement - Group A^

* MSU Course ID/Title: [Click here to view a complete list of all Group A courses](https://ag.missouristate.edu/AnimalScience/ProgramReq.htm).
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: Choose one: AGS 496, AGS 497, AGS 498, AGS 499
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: Choose one: AGS 432, AGS 452, AGS 453, AGS 461
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: Choose one: AGR 490 Agronomy/Horticulture Senior Seminar
* Credit hours: 1

Semester 4 Total: 14-15 Credit Hours  
Total Hours at MSU: 57-61  
Total Hours Overall: 120-128

\*\* Electives provide the opportunity to customize your degree program. Some elective credits may or may not be needed to bring total credit hours to a minimum of 120 credit hours and upper division hours (300+) to 40.

^ At least 8 hours are required for Group A, at least 5 hours are required for Group B (fulfilled at OTC), and an additional 8 hours are required from Groups A and B, to total at least 21 hours.

This information is provided as a guide only.

* OTC students are strongly encouraged to meet with their major specific MSU transfer advisor early in their OTC education to discuss the most appropriate OTC coursework for their intended MSU major, MSU degree requirements, etc.
* Students are required to fulfill MSU graduation and GPA requirements to receive a degree and should consult with their MSU advisor and the MSU undergraduate catalog for details, as there may exist pre-requisite requirements as well as periodicity limitations that could affect scheduling sequences.
* Please note that transfer students from Missouri public colleges and universities may follow the general education and general baccalaureate degree requirements in effect at Missouri State when they first enrolled (or re-enrolled after an absence of one calendar year or more) as degree-seeking students at the institutions from which they transferred (e.g., OTC).