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# OZARKS TECHNICAL COMMUNITY COLLEGE

**FINISH IN 4**
**GO  
BEARS!**  
MissouriState

## OTC Associate of Arts in Agriculture: Animal Science

to

## MSU Bachelor of Science in Animal Science

Available on campus or online.

Comprehensive majors do not require a minor or second major.

### OTC Year 1 Semester 1

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MSU MAJOR REQUIREMENT
<b>Program Requirement</b>	AGR 101	Introduction to Agriculture Industry	3	AGR 000	
<b>Written Communications</b>	<b>Choose one:</b>		3-5	ENG 110	
	ENG 100 ENG 101	Composition I with Support Composition I			
<b>Animal Science Course</b> <i>18 credit hours required for the A.A. degree</i>	AGR 160	Animal Science	4	AGS 101	✓
<b>Mathematical Sciences</b>	<b>Choose one:</b>		3-5	MTH 130 MTH 138 MTH 261	✓
	MTH 128 MTH 138 MTH 140	Contemporary Mathematics Pre-Calculus Mathematics Analytic Geometry and Calculus I			
<b>Semester 1 Total</b>			<b>15-19</b>		

### OTC Year 1 Semester 2

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MSU MAJOR REQUIREMENT
<b>Social/Behavioral Sciences* - Civics</b>	<b>Choose one:</b>		3	Varies	
	PLS 101	HST 120 HST 130			
<b>Written Communications</b>	<b>Choose one:</b>		3	ENG 210 ENG 221	
	ENG 102 ENG 150	Composition II Technical Writing			
<b>Animal Science Course</b> <i>18 credit hours required for the A.A. degree</i>	AGR 262	Livestock Management	4	AGR 000	
<b>Humanities and Fine Arts*</b>	<a href="#">Choose one Humanities and Fine Arts course.</a>		3	Varies	
<b>Natural Sciences*</b>	CHM 101	Introductory Chemistry	4	CHM 116 and 117	✓
<b>Semester 2 Total</b>			<b>15</b>		

### OTC Year 2 Semester 3

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MSU MAJOR REQUIREMENT
<b>Oral Communications</b>	<a href="#">Choose one Oral Communications course.</a>		3	Varies	
<b>Humanities and Fine Arts*</b>	<a href="#">Choose one Humanities and Fine Arts course.</a>		3	Varies	
<b>Social/Behavioral Sciences*</b>	<a href="#">Choose one Social and Behavioral Sciences course.</a>		3	Varies	
<b>Animal Science Course</b> <i>18 credit hours required for the A.A. degree</i>	AGR 180	Plant and Soil Science	4	AGP 103	✓
<b>Natural Sciences*</b>	<b>Choose one:</b>		4	BIO 101/111 BIO 121	✓
	BIO 100 BIO 160	Life Sciences General Biology I			
<b>Semester 3 Total</b>			<b>15-16</b>		

### OTC Year 2 Semester 4

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MSU MAJOR REQUIREMENT
<b>Humanities and Fine Arts*</b>	<a href="#">Choose one Humanities and Fine Arts course.</a>		3	Varies	
<b>Social/Behavioral Sciences*</b>	<a href="#">Choose one Social and Behavioral Sciences course.</a>		3	Varies	
<b>Core Elective</b>	<a href="#">Choose any Core 42 course.</a>		3	Varies	
<b>Animal Science Course</b> <i>18 credit hours required for the A.A. degree</i>	AGR 235	Soils	3	AGN 215	
<b>Animal Science Course</b> <i>18 credit hours required for the A.A. degree</i>	AGR 220	Agriculture Business Management	3	AGB 374	
<b>Semester 4 Total</b>			<b>15-16</b>	<i>Total MSU</i>	
<b>Total Hours at OTC</b>			<b>60-66</b>	<i>Major Hours:</i>	12

\*Must fulfill two disciplines



**MSU Bachelor of Science in Animal Science**

after

**OTC Associate of Arts in Agriculture: Animal Science**

**MSU Year 3 Semester 1**

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE	CREDIT HOURS
Major Requirement	AGS 102 Animal Science Laboratory	1
Major Requirement	AGR 301 Agriculture Transfer Student Orientation	1
Major Requirement	AGS 302 Reproductive Physiology	3
Major Requirement	AGB 144 Agricultural Economics I	4
Major Requirement	AGR 300 Food and Agricultural Chemistry	3
Major Requirement	AGS 310 Animal Nutrition	3
<b>Semester 1 Total</b>		<b>15</b>

**MSU Year 3 Semester 2**

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE	CREDIT HOURS
Major Requirement	AGS 366 Livestock Enterprise Management	3
Major Requirement	AGS 301 Physiology of Farm Animals	3
Major Requirement	AGS 311 Feeds and Feeding	3
Major Requirement	<b>Choose one:</b>	3
	AGP 365 AGP 370 Grain Crops for Food, Feed and Energy Forage Crops for Animals and the Environment	
Major Requirement	AGS 316 Animal Breeding	3
<b>Semester 2 Total</b>		<b>15</b>

**MSU Year 4 Semester 3**

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE	CREDIT HOURS
Major Requirement - Group A^	<a href="#">Click here to view a complete list of all Group A courses.</a>	2-3
Major Requirement - Group A or B^	<a href="#">Click here to view a complete list of all Group A and B courses.</a>	3-5
Major Requirement - Group A^	<a href="#">Click here to view a complete list of all Group A courses.</a>	3
General Elective **		3
<b>Semester 3 Total</b>		<b>15</b>

**MSU Year 4 Semester 4**

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE	CREDIT HOURS
Major Requirement - Group A or B^	<a href="#">Click here to view a complete list of all Group A and B courses.</a>	4-5
Major Requirement - Group A^	<a href="#">Click here to view a complete list of all Group A courses.</a>	3
Major Requirement - Capstone	<b>Choose one:</b>	3
	AGS 496                                  AGS 497                                  AGS 498                                  AGS 499	
Major Requirement	<b>Choose one:</b>	3
	AGS 432                                  AGS 452                                  AGS 453                                  AGS 461	
Major Requirement	AGR 490                  Agronomy/Horticulture Senior Seminar	1
<b>Semester 4 Total</b>		<b>15</b>
<b>Total Hours at MSU</b>		<b>60</b>
<b>Total Hours Overall</b>		<b>120-126</b>

\*\*Work with your MSU advisor to identify courses that will complement your specific career goals. 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).