

Date Modified:	6.22.22
MSU Transfer Advisor:	Dr. Gary Webb GaryWebb@MissouriState.edu 417-837-2503

OZARKS TECHNICAL COMMUNITY COLLEGE

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

Catalog Year: 2022-2023

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.



OTC Year 1 Semester 1

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Animal Science Course 18 credit hours required for A.A.	AGR 101	Introduction to Agriculture Industry	3	AGR 000		
Written Communications 6 credit hours	Choose one:		3-5	ENG 110	✓	
	ENG 100 ENG 101	Composition I with Support Composition I				
Animal Science Course 18 credit hours required for A.A.	AGR 160	Animal Science	4	AGS 101		✓
Mathematical Sciences 3 credit hours	Choose one:		3-5	MTH 130 MTH 138 MTH 261	✓	✓
	MTH 128 MTH 138 MTH 140	Contemporary Mathematics Pre-Calculus Mathematics Analytic Geometry and Calculus I				
Semester 1 Total			13-17			

OTC Year 1 Semester 2

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT		
Social/ Behavioral Sciences 9 credit hours <i>Civics Requirement</i>	Choose one:		3	HST 121 HST 122 PLS 101	✓			
	HST 120 HST 130 PLS 101	U.S. History I: to 1865 U.S. History II: 1865-Present American Government and Politics						
Written Communications 6 credit hours	Choose one:		3	ENG 210 ENG 221	✓			
	ENG 102 ENG 150	Composition II Technical Writing						
Animal Science Course 18 credit hours required for A.A.	AGR 262	Livestock Management	4	AGR 000				
Humanities and Fine Arts 9 credit hours (Must fulfill 2 disciplines)	Choose one:		3	Varies	✓			
	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
Natural Sciences 7 credit hours (Must fulfill 2 disciplines including one course with a lab component)	CHM 101	Introductory Chemistry	4	CHM 116 and 117	✓	✓		
Semester 2 Total			17					

OTC Year 2 Semester 3

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT			
Oral Communications 3 credit hours	Choose one:		3	Varies	✓				
	COM 100	COM 105 COM 200							
Humanities and Fine Arts 9 credit hours (Must fulfill 2 disciplines)	Choose one:		3	Varies	✓				
	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
Social/ Behavioral Sciences 9 credit hours (Must fulfill 2 disciplines)	Choose one:		3	Varies	✓				
	ANT 101 ANT 220	COM 150 CRM 210					ECO 270 ECO 275	GRY 101 HST 105	HST 106 HST 120
Animal Science Course 18 credit hours required for A.A.	AGR 180	Plant and Soil Science	4	AGP 103	✓	✓			
Natural Sciences 7 credit hours (Must fulfill 2 disciplines including one course with a lab component)	Choose one:		4	BIO 101/111 BIO 121	✓	✓			
	BIO 100 BIO 160	Life Sciences General Biology I							
Semester 3 Total			17						

OTC Year 2 Semester 4

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT			
Humanities and Fine Arts 9 credit hours (Must fulfill 2 disciplines)	Choose one:		3	Varies	✓				
	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
Core Elective 5 hours required for Core 42	Choose MOTR coded course(s) of your choice with the assistance of an advisor.		4	Varies	✓				
Social/ Behavioral Sciences 9 credit hours (Must fulfill 2 disciplines)	Choose one:		3	Varies	✓				
	ANT 101 ANT 220	COM 150 CRM 210					ECO 270 ECO 275	GRY 101 HST 105	HST 106 HST 120
Animal Science Course 18 credit hours required for A.A.	AGR 235	Soils	3	AGN 215					
Animal Science Course 18 credit hours required for A.A.	AGR 220	Agriculture Business Management	3	AGB 374					
Semester 4 Total			16						
Total Hours at OTC			63-67	<i>Total Hours Applied Toward MSU Major Requirements:</i>		19-21			

* One credit hour course

▲ May choose only one, falls under MOTR code 'PERF'

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

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
Semester 1 Total			15

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	Choose one:		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
Semester 2 Total			15

MSU Year 4 Semester 3

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE	CREDIT HOURS
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.	5
Major Requirement - Group A^	Click here to view a complete list of all Group A courses.	2-3
Major Requirement - Group A or B^	Click here to view a complete list of all Group A and B courses.	3-5
Major Requirement - Group A^	Click here to view a complete list of all Group A courses.	3
Semester 3 Total		13-16

MSU Year 4 Semester 4

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE		CREDIT HOURS
Major Requirement - Group A or B^	Click here to view a complete list of all Group A and B courses.		4-5
Major Requirement - Group A^	Click here to view a complete list of all Group A courses.		3
Major Requirement	Choose one:		3
	AGS 496	AGS 497 AGS 498 AGS 499	
Major Requirement	Choose one:		3
	AGS 432	AGS 452 AGS 453 AGS 461	
Major Requirement	AGR 490	Agronomy/Horticulture Senior Seminar	1
Semester 4 Total			14-15
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).