2023-2024 Catalog Year

MSU Program Contact Info:	Dr. Gary Webb GaryWebb@MissouriState.edu 417-837-2503

OZARKS TECHNICAL COMMUNITY COLLEGE

FINISH IN 4 GO BEARS! Missouri State

OTC Associate of Arts in Agriculture: Animal Science

to

MSU Bachelor of Science in Animal Science

Available on campus only.
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
Program Requirement	AGR 101	Introduction to Agriculture Industry	3	AGR 000	
Written Communications	**Choose one:**		3-5	ENG 110	
	ENG 100 ENG 101	Composition I with Support Composition I			
Animal Science Course *18 credit hours required for the AA degree*	AGR 160	Animal Science ☑	4	AGS 101/102	✓
Mathematical Sciences	MTH 128 (or higher)	Contemporary Mathematics	3-5	MTH 130	✓
Social/Behavioral Sciences* - Civics	**Choose one:** PLS 101	HST 120 HST 130	3	Varies	
		Semester 1 Total	**16-20**		

OTC Year 1 Semester 2

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MSU MAJOR REQUIREMENT
Written Communications	**Choose one:**		3	ENG 210 ENG 221	
	ENG 102 ENG 150	Composition II Technical Writing			
Animal Science Course *18 credit hours required for the AA degree*	AGR 144	Agriculture Economics	3	AGB144	✓
Animal Science Course *18 credit hours required for the AA degree*	AGR 161	Introduction to Horses	3	AGS 161	✓
Humanities and Fine Arts*	Choose one Humanities and Fine Arts course.		3	Varies	
Natural Sciences*	CHM 101	Introductory Chemistry ☑	4	CHM 116 and 117	✓
		Semester 2 Total	**16**		

OTC Year 2 Semester 3

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MSU MAJOR REQUIREMENT
Oral Communications	Choose one Oral Communications course.		3	Varies	
Humanities and Fine Arts	Choose one Humanities and Fine Arts course.		3	Varies	
Social/Behavioral Sciences*	Choose one Social and Behavioral Sciences course.		3	Varies	
Animal Science Course *18 credit hours required for the AA degree*	AGR 180	Plant and Soil Science ☑	4	AGP 103	✓
Natural Sciences*	**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	MSU MAJOR REQUIREMENT
Humanities and Fine Arts*	Choose one Humanities and Fine Arts course.		3	Varies	
Social/Behavioral Sciences*	Choose one Social and Behavioral Sciences course.		3	Varies	
Core Elective	Choose any Core 42 course.		4	Varies	
Animal Science Course *18 credit hours required for the AA degree*	AGR 235	Soils	3	AGN 215	✓
Animal Science Course *18 credit hours required for the AA degree*	AGR 220	Agriculture Business Management	3	AGB 374	✓
		Semester 4 Total	**16**	*Total MSU hours:*	*31-33*
		Total Hours at OTC	**65-69**		

*Must fulfill two disciplines

☑ This course meets a major requirement at Missouri State

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Missouri State UNIVERSITY

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	AGR 301	Agriculture Transfer Student Orientation	1
Major Requirement	AGS 302	Reproductive Physiology	3
Major Requirement	AGR 300	Food and Agricultural Chemistry	3
Major Requirement	AGS 310	Animal Nutrition	3
Major Requirement - Group A^	**Click here to view a complete list of all Group A courses.**		2-3
		Semester 1 Total	**12-13**

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
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
General Elective **		8
	Semester 3 Total	**14-16**

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 - Capstone	**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	**55-59**
				Total Hours Overall	**120-128**

**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).

Date Modified:	7.19.23