

Date Modified:	9.14.2020
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: 2020-2021

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

The following is a guide to graduation with completion of OTC's Associate of Applied Science and MSU's Bachelor of Science in Animal Science degree.
The degree may be completed on campus only.

OTC Year 1 Semester 1

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Institutional Requirement	OTC 101	Navigating College	2	GEN 000		
Program Specific Course	AGR 100	Introduction to Agriculture	3	AGR 100		
Written Communications 6 credit hours	Choose one:		3-5	ENG 110	✓	
	ENG 100 ENG 101	Composition I with Support Composition I				
Option Elective	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			15-19			

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 (Must fulfill 2 disciplines)	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					
Option Elective	AGR 265	Livestock Breeding	4	AGS 316		✓	
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 260 ENG 265 ENG 340 ENG 341
Natural Sciences 7 credit hours (Must fulfill 2 disciplines including one course with a lab component)	Choose one:		4	CHM 116 and 117	✓	✓	
	CHM 101	Introductory Chemistry					
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 260 ENG 265 ENG 340 ENG 341	ENG 350 ENG 351 FRN 101 FRN 102
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
Option Elective	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 260 ENG 265 ENG 340 ENG 341	ENG 350 ENG 351 FRN 101 FRN 102
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
Option Elective	AGR 235	Soils	3	AGN 215		✓		
Option Elective	AGR 220	Agriculture Business Management	3	AGB 374		✓		
Semester 4 Total			16					
Total Hours at OTC			65-69	<i>Total Hours Applied Toward MSU Major Requirements:</i>		29-31		

* One credit hour course

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

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MSU Bachelor of Science in Animal Science

Catalog Year: 2020-2021

after OTC Associate of Applied Science in Agriculture (Animal Science Option)

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	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		14

MSU Year 3 Semester 2

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE	CREDIT HOURS
Major Requirement	AGS 301 Physiology of Farm Animals	3
Major Requirement	AGS 311 Feeds and Feeding	3
Major Requirement	Choose one: AGP 365 Grain Crops for Food, Feed and Energy AGP 370 Forage Crops for Animals and the Environment	3
Major Requirement - Group A^	Choose one: AGR 399 AGS 185 AGS 264 AGS 362 AGS 402 AGS 453 AGS 161 AGS 191 AGS 306 AGS 363 AGS 432 AGS 461 AGS 162 AGS 196 AGS 342 AGS 364 AGS 442 AGS 492 AGS 163 AGS 262 AGS 346 AGS 385 AGS 446 AGS 511 AGS 164 AGS 263 AGS 361 AGS 389 AGS 452	3-5
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.	1
Semester 2 Total		13-15

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.	3
Major Requirement - Group A or B^	Choose one: <i>Group A:</i> AGS 196 AGS 362 AGS 446 AGS 452 AGR 399 AGS 262 AGS 363 AGS 452 AGS 161 AGS 263 AGS 364 AGS 453 AGS 162 AGS 264 AGS 385 AGS 461 AGS 163 AGS 306 AGS 389 AGS 492 AGS 164 AGS 342 AGS 402 AGS 511 AGS 185 AGS 346 AGS 432 AGS 191 AGS 361 AGS 442 <i>Group B:</i> AGB 444 AGN 143 AGN 543 AGP 333 AGB 334 AGN 215 AGR 250 AGP 363 AGB 494 AGN 216 AGR 330 AGP 365 AGB 514 AGN 335 AGR 370 AGP 370 AGB 524 AGN 343 AGR 377 AGP 393 AGB 534 AGN 351 AGR 399 AGC 183 AGB 584 AGN 405 AGR 499 AGC 323 AGB 594 AGN 455 AGP 325 AGC 333	4-5
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.	4
Major Requirement - Group A^	Choose one: AGR 399 AGS 185 AGS 264 AGS 362 AGS 402 AGS 453 AGS 161 AGS 191 AGS 306 AGS 363 AGS 432 AGS 461 AGS 162 AGS 196 AGS 342 AGS 364 AGS 442 AGS 492 AGS 163 AGS 262 AGS 346 AGS 385 AGS 446 AGS 511 AGS 164 AGS 263 AGS 361 AGS 389 AGS 452	3-5
Semester 3 Total		14-17

MSU Year 4 Semester 4

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE	CREDIT HOURS
Major Requirement - Group A or B^	Choose one: <i>Group A:</i> AGS 196 AGS 362 AGS 446 AGS 452 AGR 399 AGS 262 AGS 363 AGS 452 AGS 161 AGS 263 AGS 364 AGS 453 AGS 162 AGS 264 AGS 385 AGS 461 AGS 163 AGS 306 AGS 389 AGS 492 AGS 164 AGS 342 AGS 402 AGS 511 AGS 185 AGS 346 AGS 432 AGS 191 AGS 361 AGS 442 <i>Group B:</i> AGB 444 AGN 143 AGN 543 AGP 333 AGB 334 AGN 215 AGR 250 AGP 363 AGB 494 AGN 216 AGR 330 AGP 365 AGB 514 AGN 335 AGR 370 AGP 370 AGB 524 AGN 343 AGR 377 AGP 393 AGB 534 AGN 351 AGR 399 AGC 183 AGB 584 AGN 405 AGR 499 AGC 323 AGB 594 AGN 455 AGP 325 AGC 333	4-5
Public Affairs Capstone Requirement	Choose one: AGS 432 AGS 442 AGS 446 AGS 452 AGS 453 AGS 461	3
Major Requirement - Group A^	Choose one: AGR 399 AGS 185 AGS 264 AGS 362 AGS 402 AGS 453 AGS 161 AGS 191 AGS 306 AGS 363 AGS 432 AGS 461 AGS 162 AGS 196 AGS 342 AGS 364 AGS 442 AGS 492 AGS 163 AGS 262 AGS 346 AGS 385 AGS 446 AGS 511 AGS 164 AGS 263 AGS 361 AGS 389 AGS 452	3-5
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.	3
Major Requirement	AGR 490 Agronomy/Horticulture Senior Seminar	1
Semester 4 Total		14-17
Total Hours at MSU		55-63
Total Hours Overall		120-132

** 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).