

Date Modified:	6.29.22
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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: General Agriculture MSU Bachelor of Science in Natural Resources - General Natural Resources Option

The following is a guide to graduation with completion of OTC's Associate of Arts in Agriculture and MSU's Bachelor of Science in Natural Resources degree.
The B.S. in Natural Resources degree may be completed on campus.

This degree 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
Program Requirement	AGR 101	Introduction to Agriculture Industry	3	AGR 000		
General Agriculture Course <i>18 credit hours required for AA</i>	Choose one: AGR 112 AGR 155 AGR 212 AGR 262 AGR 113 AGR 180 AGR 214 AGR 268 AGR 116 AGR 190 AGR 220		3-4	Varies		
Written Communications <i>6 credit hours</i>	Choose one: ENG 100 Composition I with Support ENG 101 Composition I		3-5	ENG 110	✓	
Mathematical Sciences <i>3 credit hours</i>	Choose one: MTH 128 MTH 130 MTH 131 MTH 140 MTH 210 MTH 215 MTH 240 MTH 128S MTH 130S MTH 138 MTH 141 MTH 214 MTH 230 MTH 241 <i>or any MTH course with a Core 42 approved prerequisite</i>		3-5	Varies	✓	
Social/Behavioral Sciences <i>9 credit hours</i> (Must fulfill 2 disciplines)	ECO 270 □	Principles of Macroeconomics	3	ECO 155	✓	✓
Semester 1 Total			15-20			

OTC Year 1 Semester 2

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
General Agriculture Course <i>18 credit hours required for AA</i>	AGR 235	Soils	3	AGN 215		✓
Social/Behavioral Sciences <i>9 credit hours</i> (Must fulfill 2 disciplines)	ECO 275 □	Principles of Microeconomics	3	ECO 165	✓	✓
Humanities and Fine Arts <i>9 credit hours</i> (Must fulfill 2 disciplines)	Choose one: ART 100 ASL 101 ENG 240 ENG 270 GRM 101 MUS 105 PHL 101 REL 102 ART 101 ASL 102 ENG 241 ENG 271 GRM 102 MUS 106 PHL 105 SPN 101 ART 105 CHN 101 ENG 260 FRN 101 HUM 101 MUS 110 REL 100 SPN 102 ART 120▲ ENG 180 ENG 265 FRN 102 MUS 101 MUS 235*▲ REL 101 THR 101		3	Varies	✓	
Written Communications <i>6 credit hours</i>	Choose one: ENG 102 Composition II ENG 150 Technical Writing		3	ENG 210 ENG 221	✓	
Natural Sciences <i>7 credit hours</i> (Must fulfill 2 disciplines including one course with a lab component)	Choose one (Must earn a "C" or better): BIO 100 Life Science BIO 160 General Biology I		4	BIO 101/111 BIO 121	✓	✓
Semester 2 Total			16			

OTC Year 2 Semester 3

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
General Agriculture Course <i>18 credit hours required for AA</i>	Choose one: AGR 112 AGR 155 AGR 212 AGR 262 AGR 113 AGR 180 AGR 214 AGR 268 AGR 116 AGR 190 AGR 220		3-4	Varies		
Social/Behavioral Sciences <i>9 credit hours</i> (Must fulfill 2 disciplines)	PLS 101	HST 120 HST 130	3	Varies	✓	
Oral Communications <i>3 credit hours</i>	COM 100	COM 105 COM 200	3	Varies	✓	
Humanities and Fine Arts <i>9 credit hours</i> (Must fulfill 2 disciplines)	Choose one: ART 100 ASL 101 ENG 240 ENG 270 GRM 101 MUS 105 PHL 101 REL 102 ART 101 ASL 102 ENG 241 ENG 271 GRM 102 MUS 106 PHL 105 SPN 101 ART 105 CHN 101 ENG 260 FRN 101 HUM 101 MUS 110 REL 100 SPN 102 ART 120▲ ENG 180 ENG 265 FRN 102 MUS 101 MUS 235*▲ REL 101 THR 101		3	Varies	✓	
Natural Sciences <i>7 credit hours</i> (Must fulfill 2 disciplines including one course with a lab component)	Choose one (Must earn a "C" or better): CHM 101 Introductory Chemistry CHM 160/161 General Chemistry I/Chem I Lab		4-5	CHM 116/117 CHM 160/161	✓	✓
Semester 3 Total			16-18			

OTC Year 2 Semester 4

REQUIREMENT DESCRIPTION	OTC COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
General Agriculture Course <i>18 credit hours required for AA</i>	AGR 160	Animal Science	4	AGS 101		✓
General Agriculture Course <i>18 credit hours required for AA</i>	AGR 225	Urban Forestry	4	AGN 143		✓
Core Elective <i>5 hours required for Core 42</i>	PHY 110	Introduction to Geology	4	GLG 110	✓	✓
General Agriculture Course <i>18 credit hours required for AA</i>	Choose one: AGR 112 AGR 155 AGR 212 AGR 262 AGR 113 AGR 180 AGR 214 AGR 268 AGR 116 AGR 190 AGR 220		3-4	Varies		
Humanities and Fine Arts <i>9 credit hours</i> (Must fulfill 2 disciplines)	Choose one: ART 100 ASL 101 ENG 240 ENG 270 GRM 101 MUS 105 PHL 101 REL 102 ART 101 ASL 102 ENG 241 ENG 271 GRM 102 MUS 106 PHL 105 SPN 101 ART 105 CHN 101 ENG 260 FRN 101 HUM 101 MUS 110 REL 100 SPN 102 ART 120▲ ENG 180 ENG 265 FRN 102 MUS 101 MUS 235*▲ REL 101 THR 101		3	Varies	✓	
Semester 4 Total			18-19			
Total Hours at OTC			65-73	<i>Total Hours Applied Toward MSU Major Requirements:</i>		<i>29-30</i>

* One credit hour course

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

□ Student must take ECO 270+ECO 275 to satisfy AGB 144 equivalency

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MSU Bachelor of Science in Natural Resources
after OTC Associate of Arts in Agriculture: General Agriculture

MSU Year 3 Semester 1

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE		CREDIT HOURS
Major Requirement	AGR 301	AGR Transfer Student Orientation	1
Major Requirement	AGN 216	Soils Lab	1
Major Requirement	AGP 585	Weed Ecology and Management	3
Option Requirement #1 <i>6 hours required</i>	Choose one: AGN 543 AGP 353 AGP 365 AGP 370 AGP 393 AGP 441		3
Major Requirement	AGN 115	Sustainable Agriculture and the Environment	3
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.		1
Semester 1 Total			12

MSU Year 3 Semester 2

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE		CREDIT HOURS
Major Requirement	AGN 405	Soil Fertility and Plant Nutrition	3
Major Requirement	AGN 335	Soil Conservation and Water Management	3
Major Requirement	AGN 465	Environmental Soil Science	3
Option Requirement #2 <i>9 hours required</i>	Choose one: AGN 343 AGN 455 AGP 453 AGR 599 OR any additional GEO AGN 345 AGP 323 AGP 460 AGS 102 course numbered 300 or AGN 351 AGP 399 AGR 300 GRY 351 higher		3
Major Requirement	GEO 363	Introduction to Geographic Information Science	4
Semester 2 Total			16

MSU Year 4 Semester 3

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE		CREDIT HOURS
Program Elective	Choose any AGB course numbered 300 and above.		3
Major	AGP 583	Plant	3
Major Requirement	AGP 581	Applied Entomology	3
Option Requirement #2 <i>9 hours required</i>	Choose one: AGN 343 AGN 455 AGP 453 AGR 599 OR any additional GEO AGN 345 AGP 323 AGP 460 AGS 102 course numbered 300 or AGN 351 AGP 399 AGR 300 GRY 351 higher		3
Option Requirement #1 <i>6 hours required</i>	Choose one: AGN 543 AGP 353 AGP 365 AGP 370 AGP 393 AGP 441		3
Semester 3 Total			15

MSU Year 4 Semester 4

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE		CREDIT HOURS
Major Requirement	AGR 490	Career Preparation in Agriculture	1
Major Requirement	AGP 499	Internship in Plant Science and Natural Resources	3
Option Requirement #2 <i>9 hours required</i>	Choose one: AGN 343 AGN 455 AGP 453 AGR 599 OR any additional GEO AGN 345 AGP 323 AGP 460 AGS 102 course numbered 300 or AGN 351 AGP 399 AGR 300 GRY 351 higher		3
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.		5
Semester 4 Total			12
Total Hours at MSU			55
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.

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).