# Ozarks Technical Community College

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. Courses are sequenced to provide guidance and to help ensure that prerequisite requirements are met. Catalog Year: 2022-2023. Date Modified: 6.29.22.

MSU Transfer Advisor: Jim Bellis, [JimBellis@MissouriState.edu](mailto:JimBellis@MissouriState.edu), 417-836-5638

Finish in 4 Go Bears Missouri State University

### OTC Year 1 Semester 1

Program Requirement

* OTC Course ID/Title: AGR 101 Introduction to Agriculture Industry
* Credit Hours: 3
* MSU Equivalent: AGR 000
* Meets Core 42: No
* MSU Major Requirement: No

General Agriculture Course - 18 credit hours required for AA

* OTC Course ID/Title: AGR 112, AGR 113, AGR 116, AGR 155, AGR 180, AGR 190, AGR 212, AGR 214, AGR 220, AGR 262, AGR 268
* Credit Hours: 3-4
* MSU Equivalent: Varies
* Meets Core 42: No
* MSU Major Requirement: No

Written Communications - 6 credit hours

* OTC Course ID/Title: Choose one: ENG 100 Composition 1 with support, ENG 101 Composition
* Credit Hours: 3-5
* MSU Equivalent: ENG 110
* Meets Core 42: Yes
* MSU Major Requirement: No

Mathematical Sciences - 3 credit hours

* OTC Course ID/Title: Choose one: MTH 128, MTH 128S, MTH 130, MTH 130S, MTH 131, MTH 138, MTH 140, MTH 141, MTH 210, MTH 214, MTH 215, MTH 230, MTH 240, MTH 241 or any MTH course with a Core 42 approved prerequisite
* Credit Hours: 3-5
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Social/Behavioral Sciences - 9 credit hours - (Must fulfill 2 disciplines)

* OTC Course ID/Title: ECO 270❑ Principles of Macroeconomics
* Credit Hours: 3
* MSU Equivalent: ECO 155
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Semester 1 Total = 15-20 credit hours

### OTC Year 1 Semester 2

General Agriculture Course - 18 credit hours required for AA

* OTC Course ID/Title: AGR 235 Soils
* Credit Hours: 3
* MSU Equivalent: AGN 215
* Meets Core 42: No
* MSU Major Requirement: Yes

Social/Behavioral Sciences – 9 credit hours Civics Requirement

* OTC Course ID/Title: Choose one: ECO 275❑ Principles of Microeconomics
* Credit Hours: 3
* MSU Equivalent: ECO 165
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Humanities and Fine Arts - 9 credit hours (Must fulfill 2 disciplines)

* OTC Course ID/Title: Choose one: 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, MUS 105, MUS 106, MUS 110, MUS 235\*▲, PHL 101, PHL 105, REL 100, REL 101, REL 102, SPN 101, SPN 102, THR 101
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Written Communications - 6 credit hours

* OTC Course ID/Title: Choose one: ENG 102 Composition 2, ENG 150 Technical Writing
* Credit Hours: 3
* MSU Equivalent: ENG 210, ENG 221
* Meets Core 42: Yes
* MSU Major Requirement: No

Natural Sciences - 7 credit hours (Must fulfill 2 disciplines including one course with a lab component)

* OTC Course ID/Title: Choose one (Must earn a “C” or better):BIO 100 Life Science, BIO 160 General Biology 1
* Credit Hours: 4
* MSU Equivalent: BIO 101/111, BIO 121
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Semester 2 Total = 16 credit hours

### OTC Year 2 Semester 3

General Agriculture Course - 18 credit hours required for AA

* OTC Course ID/Title: Choose one: AGR 112, AGR 113, AGR 116, AGR 155, AGR 180, AGR 190, AGR 212, AGR 214, AGR 220, AGR 262, AGR 268
* Credit Hours: 3-4
* MSU Equivalent: Varies
* Meets Core 42: No
* MSU Major Requirement: Yes

Social/Behavioral Sciences - 9 credit hours - (Must fulfill 2 disciplines)

* OTC Course ID/Title: PLS 101, HST 120, HST 130
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Oral Communications - 3 credit hours

* OTC Course ID/Title: Choose one: COM 100, COM 105, COM 200
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Humanities and Fine Arts - 9 credit hours (Must fulfill 2 disciplines)

* OTC Course ID/Title: Choose one: 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, MUS 105, MUS 106, MUS 110, MUS 235\*▲, PHL 101, PHL 105, REL 100, REL 101, REL 102, SPN 101, SPN 102, THR 101
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Natural Sciences - 7 credit hours (Must fulfill 2 disciplines including one course with a lab component)

* OTC Course ID/Title: Choose one (Must earn a “C” or better): CHM 101 Introductory Chemistry, CHM 160/161 General Chemistry 1/Chem 1 Lab
* Credit Hours: 4-5
* MSU Equivalent: CHM 116/117CHM 160/161
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Semester 3 Total = 16-18 credit hours

### OTC Year 2 Semester 4

General Agriculture Course - 18 credit hours required for AA

* OTC Course ID/Title: Choose one: AGR 160 Animal Science
* Credit Hours: 4
* MSU Equivalent: AGS 101
* Meets Core 42: No
* MSU Major Requirement: Yes

General Agriculture Course - 18 credit hours required for AA

* OTC Course ID/Title: Choose one: AGR 225 Urban Forestry
* Credit Hours: 4
* MSU Equivalent: AGS 143
* Meets Core 42: No
* MSU Major Requirement: Yes

Core Elective – 5 hours required for Core 42

* OTC Course ID/Title: PHY 110 Introduction to Geology
* Credit Hours: 4
* MSU Equivalent: GLG 110
* Meets Core 42: Yes
* MSU Major Requirement: Yes

General Agriculture Course - 18 credit hours required for AA

* OTC Course ID/Title: Choose one: AGR 112, AGR 113, AGR 116, AGR 155, AGR 180, AGR 190, AGR 212, AGR 214, AGR 220, AGR 262, AGR 268
* Credit Hours: 3-4
* MSU Equivalent: Varies
* Meets Core 42: No
* MSU Major Requirement: No

Humanities and Fine Arts - 9 credit hours (Must fulfill 2 disciplines)

* OTC Course ID/Title: Choose one: 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, MUS 105, MUS 106, MUS 110, MUS 235\*▲, PHL 101, PHL 105, REL 100, REL 101, REL 102, SPN 101, SPN 102, THR 101
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Semester 4 Total = 18-19  
Total Hours at OTC = 65-73  
Total Hours Applied Toward MSU Major Requirements: 29-30

\* 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.

# Missouri State University

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

Date Modified: 6.29.22  
MSU Transfer Advisor: Jim Bellis, [JimBellis@MissouriState.edu](mailto:JimBellis@MissouriState.edu), 417-836-563  
  
Courses are sequenced to provide guidance and to help ensure that prerequisite requirements are met.

Catalog Year: 2022-23

### MSU Year 3 Semester 1

Major Requirement

* MSU Course ID/Title: AGS 301 AGR Transfer Student Orientation
* Credit hours: 1

Major Requirement

* MSU Course ID/Title: AGN 216 Soils Lab
* Credit hours: 1

Major Requirement

* MSU Course ID/Title: AGP 585 Weed Ecology and Management
* Credit hours: 3

Option Requirement #1 - 6 hours required

* MSU Course ID/Title: Choose one: AGN 543, AGP 353, AGP 365, AGP 370, AGP 393, AGP 441
* Credit hours: 3

Minor Requirement

* MSU Course ID/Title: AGN 115 Sustainable Agriculture and the Environment
* Credit hours: 3

General Elective\*\*

* MSU Course ID/Title: Work with your MSU advisor to identify courses that will complement your specific career goals.
* Credit hours: 1

Semester 1 Total: 12 Credit Hours

### MSU Year 3 Semester 2

Major Requirement

* MSU Course ID/Title: AGN 405 Soil Fertility and Plant Nutrition
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: AGN 335 Soil Conservation and Water Management
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: AGN 465 Environmental Soil Science
* Credit hours: 3

Option Requirement #2

* MSU Course ID/Title: Choose one: AGN 343, AGN 345, AGN 351, AGN 455, AGP 323, AGP 399, AGP 453, AGP 460, AGR 300, AGR 599, AGS 102, GRY 351 OR any additional GEO course numbered 300 or higher
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: GEO 363 Introduction to Geographic Information Science
* Credit hours: 4

Semester 2 Total: 16 Credit Hours

### MSU Year 4 Semester 3

Program Elective

* MSU Course ID/Title: Choose any AGB course numbered 300 and above.
* Credit hours: 3

Major

* MSU Course ID/Title: AGP 583 Plant
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: AGP 581 Applied Entomology
* Credit hours: 3

Option Requirement #2

* MSU Course ID/Title: Choose one: AGN 343, AGN 345, AGN 351, AGN 455, AGP 323, AGP 399, AGP 453, AGP 460, AGR 300, AGR 599, AGS 102, GRY 351 OR any additional GEO course numbered 300 or higher
* Credit hours: 3

Option Requirement #1 - 6 hours required

* MSU Course ID/Title: Choose one: AGN 543, AGP 353, AGP 365, AGP 370, AGP 393, AGP 441
* Credit hours: 3

Semester 3 Total: 15 Credit Hours

### MSU Year 4 Semester 4

Major Requirement

* MSU Course ID/Title: AGR 490 Career Preparation in Agriculture
* Credit hours: 1

Major Requirement

* MSU Course ID/Title: AGP 499 Internship in Plant Science and Natural Resources
* Credit hours: 3

Option Requirement #2

* MSU Course ID/Title: Choose one: AGN 343, AGN 345, AGN 351, AGN 455, AGP 323, AGP 399, AGP 453, AGP 460, AGR 300, AGR 599, AGS 102, GRY 351 OR any additional GEO course numbered 300 or higher
* Credit hours: 3

General Elective\*\*

* MSU Course ID/Title: Work with your MSU advisor to identify courses that will complement your specific career goals.
* Credit hours: 5

Semester 4 Total: 12 Credit Hours  
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).