

New Program Report

Date Submitted:

04/28/2021

Institution

Ozarks Technical Community College

Site Information

Implementation Date:

8/2/2021 12:00:00 AM

Added Site(s):

Selected Site(s):

Richwood Valley Campus, 3369 W. Jackson, Ozark, MO, 65721

CIP Information

CIP Code:

010000

CIP Description:

A program that focuses on the general principles and practice of agricultural research and production and that may prepare individuals to apply this knowledge to the solution of practical agricultural problems. Includes instruction in basic animal, plant, and soil science; animal husbandry and plant cultivation; soil conservation; and agricultural operations such as farming, ranching, and agricultural business.

CIP Program Title:

Agriculture, General

Institution Program Title:

Agriculture: General Agriculture

Degree Level/Type

Degree Level:

Associate Degree

Degree Type:

Associate in Arts

Options Added:

Agriculture: Animal Science Agriculture: Plant Science Collaborative Program:

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Mode of Delivery

Current Mode of Delivery

Classroom

Student Preparation



New Program Report

Special Admissions Procedure or Student Qualifications required: No special preparation will be required.

 ${\bf Specific\ Population\ Characteristics\ to\ be\ served:}$

n/a

Faculty Characteristics

Special Requirements for Assignment of Teaching for this Degree/Certificate:

Bachelor's degree plus 18 graduate hours for transfer courses and a bachelor's degree or an associate's degree plus 10 years industry experience for non-transferrable courses.

Estimate Percentage of Credit Hours that will be assigned to full time faculty:

It is estimated 50% of credit hours will be assigned to full time faculty.

Expectations for professional activities, special student contact, teaching/learning innovation: Full time faculty members are required to participate in a minimum of 20 hours of professional development annually. Full time faculty members are expected to serve as faculty advisors for the two student organizations: National Association of Landscape Professionals and Professional Agriculture Students.

Student Enrollment Projections Year One-Five

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Year 1	Full Time: 102	Part Time: 44	
Year 2	Full Time: 115	Part Time: 50	
Year 3	Full Time: 125	Part Time: 52	Number of Graduates: 40
Year 4	Full Time: 135	Part Time: 55	
Year 5	Full Time: 140	Part Time: 60	Number of Graduates: 75

Percentage Statement:

n/a

Program Accreditation

Institutional Plans for Accreditation:

Current accreditation is held with the National Association of Landscape Professionals. Future plan is to seek a specific agriculture accrediting body.

Program Structure

Total Credits:

62

Residency Requirements:

15 of the last 30 credit hours

General Education Total Credits:

42

Major Requirements Total Credits:

20

Course(s) Added

New Program Report

COURSE NUMBER	CREDITS	COURSE TITLE
AGR 100	3	Introduction to Agriculture
AGR 112	4	Tree and Shrub Identification
AGR 262	4	Livestock Management
AGR 160	4	Animal Science
AGR 214	4	Landscape Design
AGR 220	3	Agriculture Business Management
AGR 268	4	Forage Management
AGR 180	4	Plant and Soil Science
AGR 116	4	Ornamental Herbaceous ID
AGR 235	3	Soils
AGR 212	3	Greenhouse Horticulture
AGR 225	4	Introduction to Forestry
AGR 101	2	Agriculture Navigating College

Free Elective Credits:

n

Internship or other Capstone Experience:

N/A

Assurances

I certify that the program is clearly within the institution's CBHE-approved mission. The proposed new program must be consistent with the institutional mission, as well as the principal planning priorities of the public institution, as set forth in the public institution's approved plan or plan update.

I certify that the program will be offered within the proposing institution's main campus, CBHE-approved service region or CBHE-approved off-site location.

I certify that the program will not unnecessarily duplicate an existing program within the geographically applicable area.

I certify that the program will build upon existing programs and faculty expertise.

I certify that the program can be launched with minimal expense and falls within the institution's current operating budget.

I certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms of meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.

Contact Information

First and Last Name: RENEE

GRAVES

Email: gravesr@otc.edu
Phone: 417-447-8115

Student ID:	Catalog: 2021-2022 Academic Catalog and Student
Student Name:	Handbook
Navigator Name:	Program: Agriculture: Animal Science (A.A.)

Agriculture: Animal Science (A.A.)

A.A. Degree: 62 Hours

The Associate of Arts degree in Agriculture allows students to develop academic abilities and skills associated with the agriculture industry. Students with long-term goals of obtaining a Bachelor of Science degree in any chosen field of Agriculture will benefit from these courses.

Agriculture: Animal Science Program Requirements - 20 Credit Hours

Course Name	Credits:	Semester Completed	Grade	CORE 42
AGR-101 Agriculture Navigating Colleg	Credits: 2			

Agriculture/Animal Science Courses - 18 Credit Hours

Course Name	Credits:	Semester Completed	Grade	CORE 42
AGR-100 Introduction to Agriculture	Credits: 3			
AGR-160 Animal Science	Credits: 4			
AGR-180 Plant and Soil Science	Credits: 4			
AGR-210 Wildlife Management	Credits: 4			
AGR-220 Agriculture Business Management	Credits: 3			
AGR-235 Soils	Credits: 3			
AGR-262 Livestock Management Prerequisite(s): AGR 160	Credits: 4			
AGR-268 Forage Management Prerequisite(s): AGR 180.	Credits: 4			

General Education Requirements - 42 Credit Hours

CORE 42 is a statewide general education course of study intended to ensure that all graduates possess a common core of college-level skills and knowledge. CORE 42 specifies the basic competencies and knowledge areas that all students completing degrees at a Missouri public institution of higher education must complete. CORE 42 is comprised of dozens of courses distributed across five knowledge areas. These courses are designated with a Missouri Transfer (MOTR) course number, which guarantees the one-to-one transfer of these courses among all Missouri public institutions of higher education. Please refer to MDHE Core Transfer Curriculum for detailed information on CORE 42 courses.

All knowledge areas below, designated with the CORE 42 logo indicate all courses in that area have been evaluated and provided a MOTR number for transfer to all Missouri public institutions of higher education.

Mathematical Sciences - 3 Credit Hours



Course Name	Credits:	Semester Completed	Grade	CORE 42
MTH-128 Contemporary Mathematics	Credits: 3			
MTH-128S Cont Mathematics with Support	Credits: 4			
MTH-130 College Algebra	Credits: 3			
MTH-130S College Algebra With Support	Credits: 4			
MTH-131 Trigonometry <i>Prerequisite(s):</i> Grade of "C" or better in MTH 130 or satisfactory score on the ACT.	Credits: 3			
MTH-138 Pre-Calculus Mathematics *Prerequisite(s): Grade of "B" or better in MTH 110 or satisfactory score on the ACT.	Credits: 5			
MTH-140 Analytic Geometry and Calculus I <i>Prerequisite(s):</i> Grade of "C" or better in MTH 131 or MTH 138 or satisfactory score on the ACT.	Credits: 5			
MTH-141 Analytic Geometry and Calculus II Prerequisite(s): Grade of "C" or better in MTH 140.	Credits: 5			
MTH-210 Statistical Methods	Credits: 3			

<i>Prerequisite(s):</i> Grade of "C" or better in MTH 128 or MTH 130 or satisfactory score on the ACT.			
MTH-214 Discrete Mathematics <i>Prerequisite(s):</i> Grade of "C" or better in MTH 131 or MTH 138 or satisfactory score on the ACT.	Credits: 3		
MTH-215 Algebraic Structures Prerequisite(s): Grade of "C" or better in MTH 140.	Credits: 3		
MTH-230 Linear Algebra Prerequisite(s): Grade of "C" or better in MTH 141.	Credits: 3		
MTH-240 Analytic Geometry and Calculus III Prerequisite(s): Grade of "C" or better in MTH 141.	Credits: 3		
MTH-241 Differential Equations Prerequisite(s): Grade of "C" or better in MTH 240.	Credits: 3		

Written Communication - 6 Credit Hours



Course Name	Credits:	Semester Completed	Grade	CORE 42
ENG-101 Composition I	Credits: 3			
or				
ENG-100 Composition I With Support	Credits: 5			
ENG-102 Composition II Prerequisite(s): ENG 100 or ENG 101.	Credits: 3			
ENG-150 Technical Writing Prerequisite(s): ENG 100 or ENG 101.	Credits: 3			

Oral Communication - 3 Credit Hours



Course Name	Credits:	Semester Completed	Grade	CORE 42
COM-100 Introduction to Communication	Credits: 3			
COM-105 Public Speaking	Credits: 3			
COM-200 Interpersonal Communication Prerequisite(s): Grade of "C" or better in ENG 100 or ENG 101.	Credits: 3			

Humanities and Fine Arts - 9 Credit Hours (from at least 2 disciplines, and a limit of no more than 3 credit hours of performance courses can be applied to Humanities and Fine Arts)



Course Name	Credits:	Semester Completed	Grade	CORE 42
ART-100 Art and Experience	Credits: 3			
ART-101 Art History I	Credits: 3			
ART-105 Art History II	Credits: 3			
ART-120 Drawing I	Credits: 3			
ASL-101 American Sign Language I	Credits: 3			
ASL-102 American Sign Language II Prerequisite(s): ASL 101.	Credits: 3			
CHN-101 Beginning Chinese	Credits: 3			
ENG-180 Introduction to Literature	Credits: 3			
ENG-260 Survey of World Literature I Prerequisite(s): ENG 100 or ENG 101.	Credits: 3			
ENG-265 Survey of World Literature II Prerequisite(s): ENG 100 or ENG 101.	Credits: 3			
ENG-240 Survey English Literature I	Credits: 3			

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Prerequisite(s): ENG 100 or ENG 101.			
ENG-241 Survey English Literature II	Credits: 3		
Prerequisite(s): ENG 100 or ENG 101.			
ENG-270 Survey American Literature I	Credits: 3		
Prerequisite(s): ENG 100 or ENG 101.			
ENG-271 Survey American Literature II	Credits: 3		
Prerequisite(s): ENG 100 or ENG 101.			
FRN-101 Beginning French I	Credits: 3		
FRN-102 Beginning French II	Credits: 3		
GRM-101 Beginning German I	Credits: 3		
GRM-102 Beginning German II	Credits: 3		
Prerequisite(s): GRM 101.			
MUS-101 Music of the World	Credits: 3		
MUS-105 Western Music Appreciation	Credits: 3		
MUS-106 Jazz Appreciation	Credits: 3		
MUS-235 OTC Concert Choir	Credits: 1		
Prerequisite(s): Vocal Audition.			
PHL-101 Introduction to Philosophy	Credits: 3		
PHL-105 Introduction to Ethics	Credits: 3		
REL-100 Intro Religions Of The World	Credits: 3		
REL-101 Intro to Old Testament	Credits: 3		
REL-102 Intro to New Testament	Credits: 3		
SPN-101 Beginning Spanish I	Credits: 3		
SPN-102 Beginning Spanish II	Credits: 3		
<i>Prerequisite(s):</i> Grade of "C" or better in SPN 101.			
THR-101 Introduction to Theater	Credits: 3		

Natural Sciences - 7 Credit Hours (from at least 2 disciplines, including one course with a lab component)



Course Name	Credits:	Semester Completed	Grade	CORE 42
BIO-100 Life Science	Credits: 4			
BIO-160 General Biology I	Credits: 5			
CHM-101 Introductory Chemistry	Credits: 4			
CHM-160 General Chemistry I Prerequisite(s): Grade of "C" or better in MTH 110 or higher, or satisfactory score on the ACT.	Credits: 4			
and				
CHM-161 General Chemistry I Lab <i>Prerequisite(s):</i> Grade of "C" or better in MTH 110 or higher, or satisfactory score on the ACT.	Credits: 1			

Social and Behavioral Sciences - 9 Credit Hours (include at least one Civics course, PLS 101 or HST 120 or HST 130)



Course Name	Credits:	Semester Completed	Grade	CORE 42
ANT-101 Introduction to Anthropology	Credits: 3			
ANT-220 Cultural Anthropology Prerequisite(s): ANT 101 or SOC 101.	Credits: 3			
COM-150 Intro Mass Communication <i>Prerequisite(s):</i> COM 100 or COM 105.	Credits: 3			
CRM-210 Intro to Criminal Justice	Credits: 3			
ECO-270 Principles of Macroeconomics	Credits: 3			
ECO-275 Principles of Microeconomics	Credits: 3			

Prerequisite(s): ECO 270.		
GRY-101 World Geography	Credits: 3	
HST-105 World History I	Credits: 3	
HST-106 World History II	Credits: 3	
HST-120 U.S. History I: to 1865	Credits: 3	
HST-130 U.S. History II: 1865-Present	Credits: 3	
PLS-101 American Government and Politics	Credits: 3	
PLS-201 International Relations Prerequisite(s): PLS 101 or GRY 101.	Credits: 3	
PSY-110 Introduction to Psychology	Credits: 3	
PSY-130 Life Span Development Psychology	Credits: 3	
SOC-101 Introduction to Sociology	Credits: 3	
SOC-210 Urban Sociology Prerequisite(s): SOC 101.	Credits: 3	

Core Electives - 5 Credit Hours

Credit received from an OTC course may be greater than the MOTR transfer equivalency. The additional credit provided from OTC for a MOTR approved course will move the additional credit to the Core electives (e.g. CHM 160 at OTC = 4 credit hours. MOTR equivalency = 3 credit hours; additional 1 hour moved to Core electives). Any course with an approved MOTR number or additional hours from a MOTR approved course can be utilized to fulfill the Core electives requirement.

Notes:		

Student ID:	Catalog: 2021-2022 Academic Catalog and Student
Student Name:	Handbook
Navigator Name:	Program: Agriculture: General Agriculture (A.A.)

Agriculture: General Agriculture (A.A.)

A.A. Degree: 62 Hours

The Associate of Arts degree in Agriculture allows students to develop academic abilities and skills associated with the agriculture industry. Students with long-term goals of obtaining a Bachelor of Science degree in any chosen field of Agriculture will benefit from these courses.

Agriculture: General Agriculture Program Requirements -20 Credit Hours

Course Name	Credits:	Semester Completed	Grade	CORE 42
AGR-101 Agriculture Navigating Colleg	Credits: 2			

General Agriculture Courses - 18 Credit Hours

Course Name	Credits:	Semester Completed	Grade	CORE 42
AGR-100 Introduction to Agriculture	Credits: 3			
AGR-112 Tree and Shrub Identification	Credits: 4			
AGR-116 Ornamental Herbaceous ID	Credits: 4			
AGR-160 Animal Science	Credits: 4			
AGR-180 Plant and Soil Science	Credits: 4			
AGR-212 Greenhouse Horticulture	Credits: 3			
AGR-214 Landscape Design	Credits: 4			
AGR-220 Agriculture Business Management	Credits: 3			
AGR-225 Introduction to Forestry	Credits: 4			
AGR-235 Soils	Credits: 3			
AGR-262 Livestock Management Prerequisite(s): AGR 160	Credits: 4			
AGR-268 Forage Management Prerequisite(s): AGR 180.	Credits: 4			

General Education Requirements - 42 Credit Hours

CORE 42 is a statewide general education course of study intended to ensure that all graduates possess a common core of college-level skills and knowledge. CORE 42 specifies the basic competencies and knowledge areas that all students completing degrees at a Missouri public institution of higher education must complete. CORE 42 is comprised of dozens of courses distributed across five knowledge areas. These courses are designated with a Missouri Transfer (MOTR) course number, which guarantees the one-to-one transfer of these courses among all Missouri public institutions of higher education. Please refer to MDHE Core Transfer Curriculum for detailed information on CORE 42 courses.

All knowledge areas below, designated with the CORE 42 logo indicate all courses in that area have been evaluated and provided a MOTR number for transfer to all Missouri public institutions of higher education.

Mathematical Sciences - 3 Credit Hours



Course Name	Credits:	Semester Completed	Grade	CORE 42
MTH-128 Contemporary Mathematics	Credits: 3			
MTH-128S Cont Mathematics with Support	Credits: 4			
MTH-130 College Algebra	Credits: 3			
MTH-130S College Algebra With Support	Credits: 4			
MTH-131 Trigonometry <i>Prerequisite(s):</i> Grade of "C" or better in MTH 130 or satisfactory score on the ACT.	Credits: 3			
MTH-138 Pre-Calculus Mathematics <i>Prerequisite(s):</i> Grade of "B" or better in MTH 110 or satisfactory score on the ACT.	Credits: 5			
MTH-140 Analytic Geometry and Calculus I	Credits: 5			

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<i>Prerequisite(s):</i> Grade of "C" or better in MTH 131 or MTH 138 or satisfactory score on the ACT.	
MTH-141 Analytic Geometry and Calculus II Prerequisite(s): Grade of "C" or better in MTH 140.	Credits: 5
MTH-210 Statistical Methods <i>Prerequisite(s)</i> : Grade of "C" or better in MTH 128 or MTH 130 or satisfactory score on the ACT.	Credits: 3
MTH-214 Discrete Mathematics <i>Prerequisite(s):</i> Grade of "C" or better in MTH 131 or MTH 138 or satisfactory score on the ACT.	Credits: 3
MTH-215 Algebraic Structures Prerequisite(s): Grade of "C" or better in MTH 140.	Credits: 3
MTH-230 Linear Algebra Prerequisite(s): Grade of "C" or better in MTH 141.	Credits: 3
MTH-240 Analytic Geometry and Calculus III Prerequisite(s): Grade of "C" or better in MTH 141.	Credits: 3
MTH-241 Differential Equations Prerequisite(s): Grade of "C" or better in MTH 240.	Credits: 3

Written Communication - 6 Credit Hours



Course Name	Credits:	Semester Completed	Grade	CORE 42
ENG-101 Composition I	Credits: 3			
or				
ENG-100 Composition I With Support	Credits: 5			
ENG-102 Composition II <i>Prerequisite(s):</i> ENG 100 or ENG 101.	Credits: 3			
ENG-150 Technical Writing Prerequisite(s): ENG 100 or ENG 101.	Credits: 3			

Oral Communication - 3 Credit Hours



Course Name	Credits:	Semester Completed	Grade	CORE 42
COM-100 Introduction to Communication	Credits: 3			
COM-105 Public Speaking	Credits: 3			
COM-200 Interpersonal Communication <i>Prerequisite(s):</i> Grade of "C" or better inENG 100 or ENG 101.	Credits: 3			

Humanities and Fine Arts - 9 Credit Hours (from at least 2 disciplines, and a limit of no more than 3 credit hours of performance courses can be applied to Humanities and Fine Arts)



Course Name	Credits:	Semester Completed	Grade	CORE 42
ART-100 Art and Experience	Credits: 3			
ART-101 Art History I	Credits: 3			
ART-105 Art History II	Credits: 3			
ART-120 Drawing I	Credits: 3			
ASL-101 American Sign Language I	Credits: 3			
ASL-102 American Sign Language II Prerequisite(s): ASL 101.	Credits: 3			
CHN-101 Beginning Chinese	Credits: 3			
ENG-180 Introduction to Literature	Credits: 3			
ENG-180 Introduction to Literature	Credits: 3		_	

4/28/2021 Agriculture: General Agricul	ture (A.A.) - Ozarks Technical Community C	ollege - Acalog ACMS™
ENG-260 Survey of World Literature I Prerequisite(s): ENG 100 or ENG 101.	Credits: 3	
ENG-265 Survey of World Literature II <i>Prerequisite(s):</i> ENG 100 or ENG 101.	Credits: 3	
ENG-240 Survey English Literature I <i>Prerequisite(s):</i> ENG 100 or ENG 101.	Credits: 3	
ENG-241 Survey English Literature II Prerequisite(s): ENG 100 or ENG 101.	Credits: 3	
ENG-270 Survey American Literature I Prerequisite(s): ENG 100 or ENG 101.	Credits: 3	
ENG-271 Survey American Literature II Prerequisite(s): ENG 100 or ENG 101.	Credits: 3	
FRN-101 Beginning French I	Credits: 3	
FRN-102 Beginning French II	Credits: 3	
GRM-101 Beginning German I	Credits: 3	
GRM-102 Beginning German II Prerequisite(s): GRM 101.	Credits: 3	
MUS-101 Music of the World	Credits: 3	
MUS-105 Western Music Appreciation	Credits: 3	
MUS-106 Jazz Appreciation	Credits: 3	
MUS-235 OTC Concert Choir Prerequisite(s): Vocal Audition.	Credits: 1	
PHL-101 Introduction to Philosophy	Credits: 3	
PHL-105 Introduction to Ethics	Credits: 3	
REL-100 Intro Religions Of The World	Credits: 3	
REL-101 Intro to Old Testament	Credits: 3	
REL-102 Intro to New Testament	Credits: 3	
SPN-101 Beginning Spanish I	Credits: 3	
SPN-102 Beginning Spanish II Prerequisite(s): Grade of "C" or better in SPN 101.	Credits: 3	
THR-101 Introduction to Theater	Credits: 3	

Natural Sciences - 7 Credit Hours (from at least 2 disciplines, including one course with a lab component)



Course Name	Credits:	Semester Completed	Grade	CORE 42
BIO-100 Life Science	Credits: 4			
BIO-160 General Biology I	Credits: 5			
CHM-101 Introductory Chemistry	Credits: 4			
CHM-160 General Chemistry I <i>Prerequisite(s):</i> Grade of "C" or better in MTH 110 or higher, or satisfactory score on the ACT.	Credits: 4			
and				
CHM-161 General Chemistry I Lab <i>Prerequisite(s):</i> Grade of "C" or better in MTH 110 or higher, or satisfactory score on the ACT.	Credits: 1			

Social and Behavioral Sciences - 9 Credit Hours (include at least one Civics course, PLS 101 or HST 120 or HST 130)



Course Name	Credits:	Semester Completed	Grade	CORE 42
ANT-101 Introduction to Anthropology	Credits: 3			
ANT-220 Cultural Anthropology Prerequisite(s): ANT 101 or SOC 101.	Credits: 3			
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COM-150 Intro Mass Communic Prerequisite(s): COM 100 or CO		Credits: 3			
CRM-210 Intro to Criminal Justi	ice	Credits: 3			
ECO-270 Principles of Macroeco	nomics	Credits: 3			
ECO-275 Principles of Microecon <i>Prerequisite(s):</i> ECO 270.	nomics	Credits: 3			
GRY-101 World Geography		Credits: 3			
HST-105 World History I		Credits: 3			
HST-106 World History II		Credits: 3			
HST-120 U.S. History I: to 1865		Credits: 3			
HST-130 U.S. History II: 1865-P	resent	Credits: 3			
PLS-101 American Government a	and Politics	Credits: 3			
PLS-201 International Relations <i>Prerequisite(s):</i> PLS 101 or GRY		Credits: 3			
PSY-110 Introduction to Psychol	ogy	Credits: 3			
PSY-130 Life Span Development	Psychology	Credits: 3			
SOC-101 Introduction to Sociolog	gy	Credits: 3			
SOC-210 Urban Sociology Prerequisite(s): SOC 101.		Credits: 3			

Core Electives - 5 Credit Hours

Credit received from an OTC course may be greater than the MOTR transfer equivalency. The additional credit provided from OTC for a MOTR approved course will move the additional credit to the Core electives (e.g. CHM 160 at OTC = 4 credit hours. MOTR equivalency = 3 credit hours; additional 1 hour moved to Core electives). Any course with an approved MOTR number or additional hours from a MOTR approved course can be utilized to fulfill the Core electives requirement.

Notes:

Student ID:	Catalog: 2021-2022 Academic Catalog and Student
Student Name:	Handbook
Navigator Name:	Program: Agriculture: Plant Science (A.A.)

Agriculture: Plant Science (A.A.)

A.A. Degree: 62 Hours

The Associate of Arts degree in Agriculture allows students to develop academic abilities and skills associated with the agriculture industry. Students with long-term goals of obtaining a Bachelor of Science degree in any chosen field of Agriculture will benefit from these courses.

Agriculture: Plant Science Program Requirement - 20 Credit Hours

Course Name	Credits:	Semester Completed	Grade	CORE 42
AGR-101 Agriculture Navigating Colleg	Credits: 2			

Plant Science Courses - 18 Credit Hours

Course Name	Credits:	Semester Completed	Grade	CORE 42
AGR-100 Introduction to Agriculture	Credits: 3			
AGR-112 Tree and Shrub Identification	Credits: 4			
AGR-113 Pest Management	Credits: 3			
AGR-116 Ornamental Herbaceous ID	Credits: 4			
AGR-145 Landcare Equipment Operation and Maintenance	Credits: 4			
AGR-160 Animal Science	Credits: 4			
AGR-180 Plant and Soil Science	Credits: 4			
AGR-212 Greenhouse Horticulture	Credits: 3			
AGR-214 Landscape Design	Credits: 4			
AGR-225 Introduction to Forestry	Credits: 4			
AGR-235 Soils	Credits: 3			
AGR-268 Forage Management Prerequisite(s): AGR 180.	Credits: 4			

General Education Requirements - 42 Credit Hours

CORE 42 is a statewide general education course of study intended to ensure that all graduates possess a common core of college-level skills and knowledge. CORE 42 specifies the basic competencies and knowledge areas that all students completing degrees at a Missouri public institution of higher education must complete. CORE 42 is comprised of dozens of courses distributed across five knowledge areas. These courses are designated with a Missouri Transfer (MOTR) course number, which guarantees the one-to-one transfer of these courses among all Missouri public institutions of higher education. Please refer to MDHE Core Transfer Curriculum for detailed information on CORE 42 courses.

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MTH-131 Trigonometry Prerequisite(s): Grade of "C" or better in MTH 130 or satisfactory score on the ACT.	Credits: 3			
MTH-138 Pre-Calculus Mathematics <i>Prerequisite(s):</i> Grade of "B" or better in MTH 110 or satisfactory score on the ACT.	Credits: 5			
MTH-140 Analytic Geometry and Calculus I Prerequisite(s): Grade of "C" or better in MTH 131 or MTH 138 or satisfactory score on the ACT.	Credits: 5			

MTH-141 Analytic Geometry and Calculus II Prerequisite(s): Grade of "C" or better in MTH 140.	Credits: 5
MTH-210 Statistical Methods <i>Prerequisite(s):</i> Grade of "C" or better in MTH 128 or MTH 130 or satisfactory score on the ACT.	Credits: 3
MTH-214 Discrete Mathematics Prerequisite(s): Grade of "C" or better in MTH 131 or MTH 138 or satisfactory score on the ACT.	Credits: 3
MTH-215 Algebraic Structures Prerequisite(s): Grade of "C" or better in MTH 140.	Credits: 3
MTH-230 Linear Algebra Prerequisite(s): Grade of "C" or better in MTH 141.	Credits: 3
MTH-240 Analytic Geometry and Calculus III Prerequisite(s): Grade of "C" or better in MTH 141.	Credits: 3
MTH-241 Differential Equations Prerequisite(s): Grade of "C" or better in MTH 240.	Credits: 3

Written Communication - 6 Credit Hours



Course Name	Credits:	Semester Completed	Grade	CORE 42
ENG-101 Composition I	Credits: 3			
or				
ENG-100 Composition I With Support	Credits: 5			
ENG-102 Composition II <i>Prerequisite(s):</i> ENG 100 or ENG 101.	Credits: 3			
ENG-150 Technical Writing Prerequisite(s): ENG 100 or ENG 101.	Credits: 3			

Oral Communication - 3 Credit Hours



Course Name	Credits:	Semester Completed	Grade	CORE 42
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ART-120 Drawing I	Credits: 3			
ASL-101 American Sign Language I	Credits: 3			
ASL-102 American Sign Language II Prerequisite(s): ASL 101.	Credits: 3			
CHN-101 Beginning Chinese	Credits: 3			
ENG-180 Introduction to Literature	Credits: 3			
ENG-260 Survey of World Literature I Prerequisite(s): ENG 100 or ENG 101.	Credits: 3			
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4/20/2021 Agriculture. Plant Science	(A.A.) - Ozarks Technical Community Colle	ge - Acalog Acivis ····
ENG-265 Survey of World Literature II <i>Prerequisite(s):</i> ENG 100 or ENG 101.	Credits: 3	
ENG-240 Survey English Literature I Prerequisite(s): ENG 100 or ENG 101.	Credits: 3	
ENG-241 Survey English Literature II Prerequisite(s): ENG 100 or ENG 101.	Credits: 3	
ENG-270 Survey American Literature I Prerequisite(s): ENG 100 or ENG 101.	Credits: 3	
ENG-271 Survey American Literature II Prerequisite(s): ENG 100 or ENG 101.	Credits: 3	
FRN-101 Beginning French I	Credits: 3	
FRN-102 Beginning French II	Credits: 3	
GRM-101 Beginning German I	Credits: 3	
GRM-102 Beginning German II Prerequisite(s): GRM 101.	Credits: 3	
MUS-101 Music of the World	Credits: 3	
MUS-105 Western Music Appreciation	Credits: 3	
MUS-106 Jazz Appreciation	Credits: 3	
MUS-235 OTC Concert Choir Prerequisite(s): Vocal Audition.	Credits: 1	
PHL-101 Introduction to Philosophy	Credits: 3	
PHL-105 Introduction to Ethics	Credits: 3	
REL-100 Intro Religions Of The World	Credits: 3	
REL-101 Intro to Old Testament	Credits: 3	
REL-102 Intro to New Testament	Credits: 3	
SPN-101 Beginning Spanish I	Credits: 3	
SPN-102 Beginning Spanish II Prerequisite(s): Grade of "C" or better in SPN 101.	Credits: 3	
THR-101 Introduction to Theater	Credits: 3	

Natural Sciences - 7 Credit Hours (from at least 2 disciplines, including one course with a lab component)



Course Name	Credits:	Semester Completed	Grade	CORE 42
BIO-100 Life Science	Credits: 4			
BIO-160 General Biology I	Credits: 5			
CHM-101 Introductory Chemistry	Credits: 4			
CHM-160 General Chemistry I <i>Prerequisite(s):</i> Grade of "C" or better in MTH 110 or higher, or satisfactory score on the ACT.	Credits: 4			
and				
CHM-161 General Chemistry I Lab Prerequisite(s): Grade of "C" or better in MTH 110 or higher, or satisfactory score on the ACT.	Credits: 1			

Social and Behavioral Sciences - 9 Credit Hours (include at least one Civics course, PLS 101 or HST 120 or HST 130)



Course Name	Credits:	Semester Completed	Grade	CORE 42
ANT-101 Introduction to Anthropology	Credits: 3			
ANT-220 Cultural Anthropology Prerequisite(s): ANT 101 or SOC 101.	Credits: 3			
COM-150 Intro Mass Communication Prerequisite(s): COM 100 or COM 105.	Credits: 3			
	Credits. 3			

CRM-210 Intro to Criminal Justice	Credits: 3	
ECO-270 Principles of Macroeconomics	Credits: 3	
ECO-275 Principles of Microeconomics Prerequisite(s): ECO 270.	Credits: 3	
GRY-101 World Geography	Credits: 3	
HST-105 World History I	Credits: 3	
HST-106 World History II	Credits: 3	
HST-120 U.S. History I: to 1865	Credits: 3	
HST-130 U.S. History II: 1865-Present	Credits: 3	
PLS-101 American Government and Politics	Credits: 3	
PLS-201 International Relations Prerequisite(s): PLS 101 or GRY 101.	Credits: 3	
PSY-110 Introduction to Psychology	Credits: 3	
PSY-130 Life Span Development Psychology	Credits: 3	
SOC-101 Introduction to Sociology	Credits: 3	
SOC-210 Urban Sociology Prerequisite(s): SOC 101.	Credits: 3	

Core Electives - 5 Credit Hours

Credit received from an OTC course may be greater than the MOTR transfer equivalency. The additional credit provided from OTC for a MOTR approved course will move the additional credit to the Core electives (e.g. CHM 160 at OTC = 4 credit hours. MOTR equivalency = 3 credit hours; additional 1 hour moved to Core electives). Any course with an approved MOTR number or additional hours from a MOTR approved course can be utilized to fulfill the Core electives requirement.