



Programmatic Articulation Agreement Between  
Northwest State Community College and Central State University  
2021 – 2024

Associate of Applied Science in Agronomy to:  
Bachelors of Science in Agricultural Education w/licensure at Central State University  
Bachelors of Science in Agricultural Education Extension at Central State University  
Bachelors of Science in Sustainable Agriculture

**Established JUNE 2021**

## **Programmatic Articulation Agreement**

**Northwest State Community College and Central State University; School of Agricultural Education and Food Science, Department of Agriculture and Life Sciences**

**Pathway from Associate of Applied Science in Agricultural Sciences**

**TO**

**Bachelors of Science Agricultural Education Licensure**

**Bachelors of Science Agricultural Education Extension**

**Bachelors of Science Sustainable Agriculture**

**Established Date: June 30, 2021**

This pathway agreement will allow students enrolled at Northwest State Community College, pursuing an Associate of Applied Science in Agronomy to complete a Bachelor of Science in Agricultural Education Extension, Agricultural Education with a Teaching License in Agriscience, Or Bachelors of Science in Sustainable Agriculture at Central State University.

While enrolled at Northwest State Community College any student pursuing an Applied Associates of Science in Agronomy may declare candidacy to pursue a B.S in Agriculture at Central State University. To complete the transfer pathway program, students must meet the following criteria:

1. Complete the requirements of an Associates of Applied Science in Agronomy at Northwest State Community College
2. Complete General Education Requirements for Central State University as outlined in this agreement.
3. Complete all of the Major Requirements for the Chosen Bachelor's Degree program
4. Complete a minimum of 24 semester hours at Central State University.

**Any student transferring to Central State University who is pursuing a Bachelor's of Science in Agricultural Education with an Agriscience teaching license, must also meet the entrance requirements of the Education Preparation Program which include:**

1. A 3.0 or higher GPA at while attending Central State University.
2. Completed 61 Semester Hours of College Courses, Earned an Associate's Degree, OR

Score the following on the ACT. (Reading  $\geq$  20, English  $\geq$ 20, Math  $\geq$ 21). SAT and Praxis Core Scores will accepted.

3. Earn a grade of C or Better in English 1101, English 1102, and Math 1750 (or Hocking College Equivalencies)
4. Provide a current and clear FBI/BCI background Check

5. Once a student has been admitted to the Education Preparation Program (EPP), Students must demonstrate competency on the Ohio Assessment for Educator Exam in order to pursue the Secondary 7-12, or 4-9 Ohio Teaching License issued by The Ohio Department of Education. Competency on these exams is demonstrated by meeting the state benchmark on the following Assessments:

### **OAE Pedagogy Assessment**

#### **002 Assessment of Professional Knowledge: Middle Childhood (4–9)**

#### **OR 003 Assessment of Professional Knowledge: Adolescence to Young Adult (7–12)**

As part of the pathway completion, Student will complete related courses to prepare them for the exam. Including EDU 3263, EDU3264, EDU 3265, AGED4100.

### **OAE Content Assessment**

#### **005 Agriscience**

As part of the pathway completion, Student will complete related courses to prepare them for the exam. Including, AGB 2300, AGR 3150, AGR3250, AGR1150, AGR1220, AGR2450, AGR2150, and AGED3110. (See Hocking College Equivalent Courses on page 2)

Students transferring any of these related courses through a programmatic agreement, who cannot demonstrate competency on the OAE content assessment, may need to complete additional coursework or test preparation one or more content areas at Central State University until they have earned successful passage of the exams. Students cannot register for **EDU 4491 Student Teaching** without the successful completion of these assessments.

### **Renewal and review of this agreement:**

This agreement will be reviewed, and updated every three years from the signature date. If any changes are made to academic programs prior to the three-year review, all parties will be notified of those changes. Northwest State Community College Agriculture Faculty and Central State University's Director of the School of Agricultural Education and Food Science will be responsible for the review and update of this agreement. On the date when the agreement was established the contacts at each of the institutions are:

Ms. Kayla Miller, Professor of Agriculture Northwest State Community College

Mr. Jon Henry – Director; School of Agricultural Education and Food Science; Central State University

Dr. Cadance Lowell - Chair, Department of Agriculture and Life Sciences – Central State University

**Associate of A.S in Agronomy to Bachelors of Science in Agricultural Education  
with Secondary Teaching License**

NSCC – A.A.S. Agronomy	Sem. Hours	Central State University Agricultural Education Licensure	Sem. Hours	Satisfies:
<b>First Semester</b>				
ENG 111- Composition 1	3	English 1101 – Introduction to Writing for College	4	Gen Ed. Requirement
CHM 101- Principles of Chemistry (TAG)	4	CHM 1201 – General Chemistry 1	4	Gen Ed. Requirement
CIS 114 – Microsoft Applications (TAG)	3		3	General Elective
AGR 110 – Agronomy Principles	3	AGR 3250 – Grain Crops	4	Major Requirement
Humanities Elective (TAG)	3	Humanities Elective	3	Gen Ed. Requirement
<b>Total</b>	<b>16</b>		<b>18</b>	
<b>Second Semester</b>				
BIO 115 – Ecology	4		4	AGR General Elective
Social Science Elective	3	Social and Behavior Science Elective	3	Gen Ed. Requirement
MTH 109 – College Algebra (TAG)	3	MTH 1750 – College Algebra	3	Gen Ed Requirement
AGR 120 – Introduction to Precision Agriculture	3	AGR 1250 – Introduction to Precision Ag	3	AGR Elective
AGR 220 – Ag. Meteorology and Climate	3		3	AGR Elective
<b>Total</b>	<b>16</b>		<b>16</b>	
<b>Summer Semester</b>				
AGR 290 – Agriculture Practicum	2-4	AGR 4500 – Internship in Sustainable Agriculture	2	AGR Elective
<b>Total</b>	<b>2-4</b>		<b>2</b>	
<b>Third Semester</b>				
BIO 201 – General Biology 1 (TAG)	4	BIO 1801 – Fundamentals of Biology 1	4	Major Requirement
BUS 101- Introduction to Business	3	AGB 2300 – Introduction to Agribusiness	3	Major Requirement
AGR 130 – Fundamentals of Soil Science	4	AGR 2450 – Soil Science	4	Major Requirement
AGR 240 – Integrated Pest Management	3	AGR 4350 – Principles of Integrated Pest Management	4	AGR Elective
<b>Total</b>	<b>14</b>		<b>15</b>	

<b>Fourth Semester</b>				
BIO 202- General Biology 2 (TAG)	4	BIO 1802 – Fundamentals of Biology 2	4	Major Requirement
ECO 212 – Microeconomics (TAG)	3	ECO 2210 – Principles of Microeconomics	3	Gen Ed. Requirement
AGR 210 – Sustainable Agronomy Practices	3	AGR 1150 – Introduction to Sustainable Agriculture	3	Major Requirement
AGR 230 – Nutrient Management Principles	3		3	AGR Elective
<b>Total</b>	<b>13</b>	<b>Total</b>	<b>13</b>	
<b>Total Semester Hours ( Completes the A.A. S)</b>	<b>61-63</b>	<b>Total Semester Hours Toward B.S in Ag Ed Degree</b>	<b>64</b>	
<b>Additional Courses at NSCC</b>	<b>Sem Hrs.</b>	<b>Central State University Agricultural Education Licensure</b>	<b>Sem Hrs.</b>	<b>Satisfies:</b>
MTH 112 – Trigonometry (OTM)	3	MTH 2500 Pre - Calculus OR MTH 2501 Trigonometry	3	Gen Ed. Requirement
HIS 101- US History Pre 1876 (TAG)	3	History 1121 – Global History to 1500	3	Gen Ed. Requirement
ENG 112 – Composition 2	3	ENG 1102 – Writing/ Researching the Essay	4	Gen Ed. Requirement
PHY 251 – Physics Mechanics and Heat (TAG)	4	PHY 2611 – Physics 1	4	Gen Ed. Requirement
EDU 260 – Instructional Technology	3	EDU 3265 – Educational Technology	3	Major Requirement
PSY 110- General Psychology (TAG)	3	PSY 1200- Introduction to Psychology	3	Gen Ed Requirement
EDU 240- Educational Psychology	3	Edu 2300 – Educational Psychology	3	Gen Ed. Requirement
EDU 250 – Education Seminar (TAG)	3	EDU 2500- Professional Education Seminar	2	Major Requirement
AGR 101 – Survey of Animal Agriculture	3	AGR 2150 – Introduction to Animal Science	4	Major Requirement
AGR 140 – Introduction to Horticulture	3	AGR 1220- Introduction to Horticulture	4	Major Requirement
EDU 220 – Individuals with Exceptionalities (TAG)	3	EDU 3266- Individuals w/ Special Needs	3	Major Requirement
<b>TOTAL Semester Hours</b>	<b>34</b>		<b>36</b>	<b>100 Total Sem Hrs. at CSU</b>

Delivery Mode		Central State University Agricultural Education Licensure Course to complete degree		
Online/ Face to Face		Activity Elective ( Exempt if over 25 years of Age)	1	Major Requirement
Face To Face / Hybrid		AGR 2500- Mechanical Principles in Agriculture	3	Major Requirement
Online / Face To Face		EDU 3330- Reading in the Content Area	3	Major Requirement
Online/ Face to Face		EDU 3264 – Multicultural Education	3	Major Requirement
Online/ Face to Face		EDU 3263 – Classroom Management	3	Major Requirement
Hybrid / Face To Face		AGED 3110- Agriscience Foundations	3	Major Requirement
Hybrid / Face To Face		AGED 4110- Student Leadership Organizations	3	Major Requirement
Hybrid/ Face To Face		AGED 4100 Methods of Teaching Agriculture	3	Major Requirement
Online		EDU 4491- Student Teaching	9	Major Requirement
Online		EDU 4895- Capstone	3	Major Requirement
		Total Semester Hours to Complete Degree AGED Licensure	34	134 Total Sem. Hours at CSU

**Associate of Applied Science in Agronomy to Bachelors of Science  
in Agricultural Education Extension**

<b>NWCC – A.A.S. Agronomy</b>	<b>Sem. Hours</b>	<b>Central State University Agricultural Education Extension</b>	<b>Sem. Hours</b>	<b>Satisfies:</b>
<b>Semester 1</b>				
ENG 111- Composition 1	3	English 1101 – Introduction to Writing for College	4	Gen Ed. Requirement
CHM 101- Principles of Chemistry (TAG)	4	CHM 1201 – General Chemistry 1	4	Gen Ed. Requirement
CIS 114 – Microsoft Applications (TAG)	3		3	General Elective
AGR 110 – Agronomy Principles	3	AGR 3250 – Grain Crops	4	Major Requirement
Humanities Elective (TAG)	3	Humanities Elective	3	Gen Ed. Requirement
<b>Total</b>	<b>16</b>		<b>18</b>	
<b>Semester 2</b>				
BIO 115 – Ecology	4		4	AGR General Elective
MTH 109 – College Algebra (TAG)	3	MTH 1750 – College Algebra	3	Gen Ed Requirement
Social Science Elective	3	Social and Behavior Science Elective	3	Gen Ed. Requirement
AGR 120 – Introduction to Precision Agriculture	3	AGR 1250 – Introduction to Precision Ag	3	AGR Elective
AGR 220 – Ag. Meteorology and Climate	3		3	AGR Elective
<b>Total</b>	<b>16</b>		<b>16</b>	
<b>Summer Semester</b>				
AGR 290 – Agriculture Practicum	2-4	AGR 4500 – Internship in Sustainable Agriculture	2	AGR Elective
<b>Total</b>	<b>2-4</b>		<b>2</b>	
<b>Third Semester</b>				
BIO 201 – General Biology 1 (TAG)	4	BIO 1801 – Fundamentals of Biology 1	4	Major Requirement
BUS 101- Introduction to Business	3	AGB 2300 – Introduction to Agribusiness	3	Major Requirement
AGR 130 – Fundamentals of Soil Science	4	AGR 2450 – Soil Science	4	Major Requirement
AGR 240 – Integrated Pest Management	3	AGR 4350 – Principles of Integrated Pest Management	4	AGR Elective
<b>Total</b>	<b>14</b>		<b>15</b>	

<b>Fourth Semester</b>				
BIO 202- General Biology 2 (TAG)	4	BIO 1802 – Fundamentals of Biology 2	4	Major Requirement
ECO 212 – Microeconomics (TAG)	3	ECO 2210 – Principles of Microeconomics	3	Gen Ed. Requirement
AGR 210 – Sustainable Agronomy Practices	3	AGR 1150 – Introduction to Sustainable Agriculture	3	Major Requirement
AGR 230 – Nutrient Management Principles	3		3	AGR Elective
<b>Total</b>	<b>13</b>	<b>Total</b>	<b>13</b>	
<b>Total Semester Hours ( Completes the A.A. S)</b>	<b>61-63</b>	<b>Total Semester Hours Toward B.S in Ag Ed Degree</b>	<b>64</b>	
<b>Additional Courses at NSCC</b>	<b>Sem Hrs.</b>	<b>Central State University Agricultural Education Extension</b>	<b>Sem Hrs.</b>	<b>Satisfies:</b>
MTH 112 – Trigonometry (OTM)	3	MTH 2500 Pre - Calculus OR MTH 2501 Trigonometry	3	Gen Ed. Requirement
HIS 101- US History Pre 1876 (TAG)	3	History 1121 – Global History to 1500	3	Gen Ed. Requirement
ENG 112 – Composition 2	3	ENG 1102 – Writing/ Researching the Essay	4	Gen Ed. Requirement
PHY 251 – Physics Mechanics and Heat (TAG)	4	PHY 2611 – Physics 1	4	Gen Ed. Requirement
EDU 260 – Instructional Technology	3	EDU 3265 – Educational Technology	3	Major Requirement
PSY 110- General Psychology (TAG)	3	PSY 1200- Introduction to Psychology	3	Gen Ed Requirement
EDU 240- Educational Psychology (TAG)	3	EDU 2300 – Educational Psychology	3	Gen Ed. Requirement
PSY 230 – Human Growth and Development (TAG)	3	PYS 2220 – Human Growth and Development	3	Major Requirement
EDU 250 – Education Seminar (TAG)	3	EDU 2500- Professional Education Seminar	2	Major Requirement
AGR 101 – Survey of Animal Agriculture	3	AGR 2150 – Introduction to Animal Science	4	Major Requirement
AGR 140 – Introduction to Horticulture	3	AGR 1220- Introduction to Horticulture	4	Major Requirement
<b>TOTAL Semester Hours</b>	<b>34</b>		<b>36</b>	<b>100 Total Sem Hrs. at CSU</b>



Delivery Mode		<b>Central State University  Agricultural Education Extension Course to complete  degree</b>		
Online/ Face to Face		Activity Elective ( Exempt if over 25 years of Age)	1	Major Requirement
Face To Face / Hybrid		AGR 2500- Mechanical Principles in Agriculture	3	Major Requirement
Online / Face To Face		COM 2219- Introduction to Media Writing	3	Major Requirement
Online/ Face to Face		AGED3115- Addressing Diverse Populations in Agriculture	3	Major Requirement
Online/ Face to Face		AGED 3100- The Adult Classroom	3	Major Requirement
Hybrid / Face To Face		AGED 3110- Agriscience Foundations	3	Major Requirement
Hybrid / Face To Face		AGED 4110- Student Leadership Organizations	3	Major Requirement
Hybrid/ Face To Face		AGED 4100 Methods of Teaching Agriculture	3	Major Requirement
Online		COE 4499- Alternative Cooperative Experience	12	Major Requirement
		<b>Total Semester Hours to Complete Degree AGED Extension</b>	<b>34</b>	<b>134 Total Sem. Hours  at CSU</b>

Associate of A.S in Agronomy to Bachelors of Science in Sustainable Agriculture				
NSCC – A.A.S. Agronomy	Sem. Hours	Central State University Sustainable Agriculture	Sem. Hours	Satisfies:
<b>Semester 1</b>				
ENG 111- Composition 1	3	English 1101 – Introduction to Writing for College	4	Gen Ed. Requirement
CHM 101- Principles of Chemistry (TAG)	4	CHM 1201 – General Chemistry 1	4	Gen Ed. Requirement
CIS 114 – Microsoft Applications (TAG)	3		3	General Elective
AGR 110 – Agronomy Principles	3	AGR 3250 – Grain Crops	4	Major Requirement
Humanities Elective (TAG)	3	Humanities Elective	3	Gen Ed. Requirement
<b>Total</b>	<b>16</b>		<b>18</b>	
<b>Semester 2</b>				
BIO 115 – Ecology	4		4	AGR General Elective
MTH 109 – College Algebra (TAG)	3	MTH 1750 – College Algebra	3	Gen Ed Requirement
Social Science Elective	3	Social and Behavior Science Elective	3	Gen Ed. Requirement
AGR 120 – Introduction to Precision Agriculture	3	AGR 1250 – Introduction to Precision Ag	3	Major Requirement
AGR 220 – Ag. Meteorology and Climate	3		3	AGR Elective
<b>Total</b>	<b>16</b>		<b>16</b>	
<b>Summer Semester</b>				
AGR 290 – Agriculture Practicum	2-4	AGR 4500 – Internship in Sustainable Agriculture	2	Major Requirement
<b>Total</b>	<b>2-4</b>		<b>2</b>	
<b>Third Semester</b>				
BIO 201 – General Biology 1 (TAG)	4	BIO 1801 – Fundamentals of Biology 1	4	Major Requirement
BUS 101- Introduction to Business	3	AGB 2300 – Introduction to Agribusiness	3	Major Requirement
AGR 130 – Fundamentals of Soil Science	4	AGR 2450 – Soil Science	4	Major Requirement
AGR 240 – Integrated Pest Management	3	AGR 4350 – Principles of Integrated Pest Management	4	Major Requirement
<b>Total</b>	<b>14</b>		<b>15</b>	
<b>Fourth Semester</b>				
BIO 202- General Biology 2 (TAG)	4	BIO 1802 – Fundamentals of Biology 2	4	Major Requirement
ECO 212 – Microeconomics (TAG)	3	ECO 2210 – Principles of Microeconomics	3	Gen Ed. Requirement

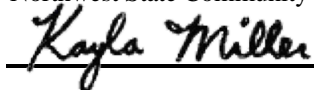
AGR 210 – Sustainable Agronomy Practices	3	AGR 1150 – Introduction to Sustainable Agriculture	3	Major Requirement
AGR 230 – Nutrient Management Principles	3		3	AGR Elective
<b>Total</b>	<b>13</b>	<b>Total</b>	<b>13</b>	
<b>Total Semester Hours ( Completes the A.A. S)</b>	<b>61-63</b>	<b>Total Semester Hours Toward B.S in Sustainable Agriculture</b>	<b>64</b>	
<b>Additional Courses at NSCC</b>	<b>Sem Hrs.</b>	<b>Central State University Sustainable Agriculture</b>	<b>Sem Hrs.</b>	<b>Satisfies:</b>
MTH 112 – Trigonometry (OTM)	3	MTH 2500 Pre - Calculus OR MTH 2501 Trigonometry	3	Gen Ed. Requirement
HIS 101- US History Pre 1876 (TAG)	3	History 1121 – Global History to 1500	3	Gen Ed. Requirement
ENG 112 – Composition 2	3	ENG 1102 – Writing/ Researching the Essay	4	Gen Ed. Requirement
PHY 251 – Physics Mechanics and Heat (TAG)	4	PHY 2611 – Physics 1	4	Gen Ed. Requirement
PHY 252 – Physics Electricity and Magnetism (TAG)	3	PHY 2612- Physics 2	4	Major Requirement
CHM 202 – General Chemistry 2 (TAG)	5	CHM 1202 – General Chemistry w/lab	4	Gen Ed Requirement
BIO 257 – Microbiology	4	BIO 2650- Microbiology	4	Gen Ed. Requirement
AGR 101 – Survey of Animal Agriculture	3	AGR 2150 – Introduction to Animal Science	4	Major Requirement
AGR 140 – Introduction to Horticulture	3	AGR 1220- Introduction to Horticulture	4	Major Requirement
<b>TOTAL Semester Hours</b>	<b>25</b>		<b>34</b>	<b>98 Total Sem Hrs. at CSU</b>

Delivery Mode		Central State University Sustainable Agriculture Courses to complete degree		
Online/ Face to Face		Activity Elective ( Exempt if over 25 years of Age)	1	Major Requirement
Face To Face / Hybrid		AGR 2500- Mechanical Principles in Agriculture	3	Major Requirement
Online / Face To Face		AGR 2340 – Careers in Agriculture	2	Major Requirement
Online / Face To Face		AGR 2350 – Community Agriculture	3	Major Requirement
Online/ Face to Face		AGR /WRM 3330- Soil and Water Conservation	3	Major Requirement
Online/ Face to Face		AGR 3450 – Ag Extension	3	Major Requirement
Online/ Face To Face		AGB 3240 – Farm Management	3	Major Requirement
Online / Face To Face		6 Semester Hours of Required Electives – (one from 3000 and one from 4000) Choose from List: BIO 3070, BIO 3370 (4), BIO 3660 (3),BIO 4300 (4), BIO 4350 (4), AGR 3308(3) AGR 3335 (3), AGR 4406(3)AGR 4420 (3), AGR 4425(4), AGR 4430( 3), AGB 3220 ( 3), AGB 3415 ( 3) AGB 4445(3), AGB 4745(3), GEO 3370(3)WRM/GEO/GEL 4470 (3)	6	
		Total Semester Hours to Complete Degree in Sustainable Agriculture	24	122 Total Sem. Hours at CSU

**INTENDING TO BE LEGALLY BOUND**, by signing below, each Party acknowledges its agreement with the terms and conditions of this Agreement and each signatory represents and warrants that he/she is authorized to sign on behalf of and to bind his/her Party to all of the terms and conditions of this Agreement as of the Effective

Date : 09/01/2021

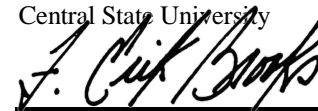
Northwest State Community College



By: Kayla Miller, M.S.  
Faculty Member Agricultural Studies

Date : 09/01/21

Central State University



By: F. Erik Brooks, Ph.D.  
Provost and Vice President of Academic Affairs

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