



MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION  
OFFICE OF EDUCATOR QUALITY – EDUCATOR PREPARATION

**AGRICULTURE EDUCATION, GRADES 9-12**

EDUCATOR PREPARATION PROGRAM NAME UNIVERSITY OF CENTRAL MISSOURI	EDUCATOR PREPARATION PROGRAM CODE 121121
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Please complete Educator Preparation Program (EPP) Name & EPP Code above.

**Certification Requirements:**

- Course Number – List the course number(s) for the course(s) or groups of competencies that align with the specific section of the requirements. It is possible to have more than one course or group listed.
- Course Title – List the course title(s) for the course(s) or groups of competencies that align with the specific section of the requirements. It is possible to have more than one course or group listed.
- Semester Hours – List the number of semester hours for each specific section. It is possible to use decimals (to the nearest tenth) to indicate partial use of a course to meet a requirement. The total number of semester hours must meet or exceed the minimum required number of semester hours.

Email the completed cover sheet, curriculum matrix, and advising/program information to [DESE.MoSPETransition@dese.mo.gov](mailto:DESE.MoSPETransition@dese.mo.gov) on or before the date established in the Transition Plan.

QUESTIONS: Contact Educator Preparation, 573-751-1668 or [DESE.MoSPETransition@dese.mo.gov](mailto:DESE.MoSPETransition@dese.mo.gov)

**A. Professional Requirements (Minimum of 26 semester hours)**

1. Content Planning and Delivery

	Course Number	Course Title	Semester Hours
a. Curriculum and Instructional Planning	EDFL 2100 AGRI 4900	Introduction to the Teaching Profession Planning and Conducting Programs in Agricultural Education	0.5 1.0
b. Instructional Strategies and Techniques in Content Area Specialty	AGRI 4930 -OR- CTE 4160	Methods of Teaching Agricultural Education -OR- Methods of Teaching CTE	1.0
c. Assessment, Student Data, and Data-Based Decision-Making	EDFL 2100 CTE 4974	Introduction to the Teaching Profession Educ Eval & Strategies	1.0 2.0
d. Strategies for Content Literacy	EDFL 4210	Introduction to Content Area Literacy	0
e. Critical Thinking and Problem Solving	EDFL 2250 EDFL 4970 AGRI 4930 -OR- CTE 4160	Intro to ELL and Culturally Responsive Pedagogy Secondary Teaching and Behavior Management Methods of Teaching Agricultural Education -OR- Methods of Teaching CTE	0.5 0.5 0
f. English Language Learning	EDFL 2250	Intro to ELL and Culturally Responsive Pedagogy	0.5

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the	PSY 3220	Life-Span Development	3.0

Child and Adolescent	-OR- PSY 2220 -OR- CFD 1220	-OR- Child and Adolescent Psychological Development -OR- Child & Adolescent Development	
b. Psychology/Education of the Exceptional Child	EDSP 2100	Education of the Exceptional Child	1.5
c. Differentiated Learning	EDSP 2100 EDFL 2250	Education of the Exceptional Child Intro to ELL and Culturally Responsive Pedagogy	1.0 0.5
d. Classroom Management	EDFL 4970 AGRI 4920 -OR- CTE 4973	Secondary Teaching & Behavioral Management Laboratory Management in Agriculture Education -OR- CTE Classroom and Lab Mgmt Techniques	1.5 1.0
e. Cultural Diversity	EDFL 2250	Intro to ELL and Culturally Responsive Pedagogy	0.5
f. Educational Psychology	EDFL 2240	Educational Psychology	3.0
<b>3. Schools and the Teaching Profession</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
a. Consultation and Collaboration	EDFL 2100	Introduction to the Teaching Profession	1.0
b. Legal/Ethical Aspects of Teaching	EDFL 2100 EDSP 2100	Introduction to Teaching Profession Education of the Exceptional Child	0.5 0.5
<b>4. Secondary Literacy (Minimum of six semester hours)</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
a. Reading and Writing in the Content Area	EDFL 4210 EDFL 4212 EDFL 4972	Introduction to Content Area Literacy Literacy in the Disciplines I Literacy in the Discipline II	1.0 1.0 1.0
b. Instructional Interventions for Students with Reading Deficits	EDFL 4210 EDFL 4212 EDFL 4972	Introduction to Content Area Literacy Literacy in the Disciplines I Literacy in the Discipline II	1.0 1.0 1.0
<b>Professional Requirements - Total Semester Hours</b>			<b>27</b>
<b>B. Field and Clinical Experiences (Minimum of ten semester hours)</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
1. Early Field Experiences (Minimum of one semester hour with a minimum of 30 clock hours)	FLDX 2150 -OR- FLDX 3000	Introductory Field Experience -OR- Field Experience II in Content Area	1.0
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	FLDX 4970	Field Experience in content area	1.0
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	FLDX 4468 FLDX 4595	Student Teaching Secondary I Student Teaching Secondary II	6.0 6.0

Field and Clinical Experiences - Total Semester Hours			14
<b>Agriculture Content Knowledge Area (minimum of 53 semester hours)</b>			
<b>A. Agriculture Content Knowledge Area (minimum of 30 semester hours)</b>			
	Course Number	Course Title	Semester Hours
1. Animal Science ( <i>minimum of 3 semester hours</i> )	AGRI 1420	Introduction to Animal Science	3
2. Agronomy ( <i>minimum of 3 semester hours</i> )	AGRI 2330	Introduction to Soil Science	3
3. Agricultural Business ( <i>minimum of 3 semester hours</i> )	AGRI 3110	Agri-Business Management	3
4. Agricultural Economics ( <i>minimum of 3 semester hours</i> )	ECON 1011	Principles of Microeconomics	3
5. Agricultural Mechanics ( <i>minimum of 3 semester hours</i> )	AGRI 1200	Agriculture Mechanics	3
6. Horticulture ( <i>minimum of 3 semester hours</i> )	AGRI 1600	Introductory Horticulture Science	4
7. Electives from above ( <i>minimum of 0 to 12 semester hours</i> )	AGRI 1310	Agronomy 1	2
	<b>-OR-</b>	<b>-OR-</b>	
	AGRI 2315	Agronomy II	3
	AGRI 2130	Global Agriculture	3
		<b>6 additional hours:</b>	
	AGRI 4430	Animal Science: Beef	6
	AGRI 4435	Animal Science: Pork	
	AGRI 1100	Introduction to Agriculture	
	AGRI 3415	Meat Science	
	AGRI 2331	Soils	
	AGRI 2425	Intro to Animal Production	
	AGRI 3120	Distribution and Marketing of Ag Pro	
	AGRI 3410	Animal Breeding	
	AGRI 3420	Animal Nutrition	
AGRI 3640	Animal Nutrition		
AGRI 4310	Hort Propagation Materials		
AGRI 4330	Plant Breeding and Genetics		
AGRI 4340	Soils Mgmt		
AGRI 4600	Agriculture Sprays and Chemicals		
AGRI 4605	Horticulture Plants I		
		Horticulture Plants II	
Section A Total Hours			30
<b>B. Electives from the following areas: (15 semester hours)</b>			
	Course Number	Course Title	Semester Hours
1. Forestry	AGRI 3620	Residential Landscaping	3
2. Natural Resources	AGRI 4150	Natural Resources Economics	3
	AGRI 3210	Soil and Water Management	3
3. Agriculture Journalism	CTE 3060	Technical Writing	3
4. Integrated Pest Management	AGRI 3610	Agriculture Pest Management	3
Section B Total Hours			15
<b>C. Professional Vocational Education (minimum of 8 semester hours)</b>			
	Course Number	Course Title	Semester Hours
1. Methods of Teaching Vocational Agriculture	AGRI 4930	Methods of Teaching Agriculture Education	.5
	<b>-OR-</b>	<b>-OR-</b>	
	CTE 4160		

		Methods of CTE	
2. Program Planning	AGRI 4900	Planning and Conducting Programs in Agriculture Education	1
3. Developing and Supervising Occupational Experience Programs b. Ownership ( <i>Entrepreneurship</i> ) c. Placement	AGRI 4910	Supervised Agriculture Experience Programs	1
4. Developing and Using Instructional Materials and Teaching Aids	AGRI 4930 -OR- CTE 4160	Methods of Teaching Agriculture Education -OR- Methods of CTE	.5
5. Supervising Student Organizations	AGRI 4910	Supervised Agriculture Experience Programs	1
6. Teaching Agricultural Mechanics	AGRI 4920  -OR- CTE 4973  AGRI 4200	Laboratory Management in Agriculture Education -OR- CTE Classroom and Lab Mgmt  Advanced Ag Mechanics	.5   3
7. Planning and Conducting Adult Programs for Young and Adult Farmers	AGRI 4920  -OR- CTE 4973	Laboratory Management in Agriculture Education -OR- CTE Classroom and Lab Mgmt	.5
<b>Section C Total Hours</b>			8
<b>Total Content Hours</b>			53

The Department of Elementary and Secondary Education does not discriminate on the basis of race, color, religion, gender, national origin, age, or disability in its programs and activities. Inquiries related to Department programs and to the location of services, activities, and facilities that are accessible by persons with disabilities may be directed to the Jefferson State Office Building, Office of the General Counsel, Coordinator – Civil Rights Compliance (Title VI/Title IX/504/ADA/Age Act), 6<sup>th</sup> Floor, 205 Jefferson Street, P.O. Box 480, Jefferson City, MO 65102-0480; telephone number 573-526-4757 or TTY 800-735-2966 email [civilrights@dese.mo.gov](mailto:civilrights@dese.mo.gov).