



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

AGRICULTURE 9-12 – POST-BACCALAUREATE

EDUCATOR PREPARATION PROAM NAME

UNIVERSITY OF CENTRAL MISSOURI

EDUCATOR PREPARATION PROAM CODE

121121

INSTRUCTIONS

Please complete Educator Preparation Program (EPP) Name & EPP Code above. The EPP Code may be located at <https://dese.mo.gov/sites/default/files/EPP-Code-Name.pdf>

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 on or before the date established in the Transition Plan.

QUESTIONS: Contact Educator Preparation, 573/751-1668 or 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 CTE 4145 EDFL 5340 AGRI 4900	Introduction to the Teaching Profession Curriculum Construction in CTE Contemporary Instruction: Theory & Practice Planning and Conducting Programs in Ag Ed	0.5 OR 3.0 OR 1.0 1.0
b. Instructional Strategies and Techniques in Content Area Specialty	CTE 4160 AI 4930	Methods of Teaching Career and Technical Ed Methods of Teaching Agriculture Education	3.0 OR 3.0
c. Assessment, Student Data, and Data-Based Decision-Making	EDFL 2100 EDFL 4974 CTE 4974 EDFL 4300 EDFL 5300 CTE 4165	Introduction to the Teaching Profession Content Specific Assessment Education Evaluation and Strategies Educational Measurement & Evaluation Advanced Assessment & Evaluation Performance Assessment in Career and Technical Ed	1.0 AND 1.0 OR 1.0 OR 2.0 OR 3.0 OR 3.0
d. Strategies for Content Literacy	EDFL 4210 EDFL 5208	Introduction to Content Area Literacy Content Area Literacy	0.0 OR 0.0
e. Critical Thinking and Problem Solving	EDFL 2250 EDFL 4970 AGRI 4930 CTE 4160 EDFL 5340	Intro to ELL and Culturally Responsive Pedagogy Secondary Teaching and Behavior Management Methods of Teaching Agriculture Education Methods of Teaching CTE Contemporary Instruction Theory & Practice	0.5 OR 0.5 OR 0.0 OR 0.0 OR 1.0
f. English Language Learning	EDFL 2250	Intro to ELL & Culturally Responsive Pedagogy	1.0

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	PSY 2220 PSY 3220 CFD 1220 COUN 5310	Child & Adolescent Psychology OR Life-Span Development OR Child & Adolescent Development OR Development Across the Lifespan	3.0
b. Psychology/Education of the Exceptional Child	EDSP 2100 EDSP 5200	Education of the Exceptional Child Advanced Education of the Exceptional Child	1.5 OR 1.0
c. Differentiated Learning	EDSP 2100 EDSP 5200 EDFL 2250	Education of the Exceptional Child Advanced Education of the Exceptional Child Intro to ELL & Culturally Responsive Pedagogy	1.0 OR 0.5 0.5
d. Classroom Management	EDFL 4970 EDFL 4973 AGRI 4920 CTE 4973 EDFL 3500 EDFL 5330	Secondary Teaching & Behavioral Management Classroom Management in Content Area Laboratory Management in Ag Ed CTE Classroom and Lab Management Techniques Secondary Teaching and Behavior Mgmt. Classroom Discipline and Motivation	1.5 OR 1.0 OR 1.0 OR 1.0 OR 2.0 OR 3.0

e. Cultural Diversity	EDFL 2250	Intro to ELL & Culturally Responsive Pedagogy	0.5
f. Educational Psychology	EDFL 2240 EDFL 5200	Educational Psychology Advanced Educational Psychology	3.0 OR 3.0
3. Schools and the Teaching Profession			
	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	EDFL 2100 EDFL 5340 CTE 4110	Introduction to the Teaching Profession Contemporary Instruction Theory and Practice Foundations of Career and Technology Education	1.0 OR 1.0 OR 1.5
b. Legal/Ethical Aspects of Teaching	EDFL 2100 CTE 4110 EDSP 2100 EDSP 5200	Introduction to the Teaching Profession Foundations of Career and Technology Education Education of the Exceptional Child Advanced Education of the Exceptional Child	0.5 OR 1.5 OR 0.5 OR 1.5
4. Secondary Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	EDFL 4210 EDFL 4212 EDFL 4972 EDFL 5208	Introduction to Content Area Literacy Literacy in the Disciplines I Literacy in the Discipline II Content Area Literacy	1.0 AND 1.0 AND 1.0 OR 3.0
b. Instructional Interventions for Students with Reading Deficits	EDFL 4210 EDFL 4212 EDFL 4972 EDFL 5210	Introduction to Content Area Literacy Literacy in the Disciplines I Literacy in the Discipline II Assessment of Literacy Development	1.0 AND 1.0 AND 1.0 AND OR 3.0
Professional Requirements - Total Semester Hours			29
B. Field and Clinical Experiences (Minimum of ten semester hours)			
	Course Number	Course Title	Semester Hours
1. Early Field Experiences (Minimum of one semester hour with a minimum of 30 clock hours)	FLDX 2150 FLDX 3000	Introductory Field Experience OR Field Experience I in the Content Area	1.0 OR 1.0
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	FLDX 3550 FLDX 4970	Practicum in Secondary Instruction OR Field Experience II in the Content Area	1.0 OR 1.0
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	EDFL 5100 FLDX 4468 FLDX 4595 CTE 4022 FLDX 4468 FLDX 4595	Internship AND Student Teaching Secondary II OR Student Teaching Secondary I OR Teaching/Administrative Internship AND Student Teaching Secondary II OR Student Teaching Secondary I	3.0 AND 5.0 OR 5.0 OR 3.0 AND 4.0 OR 4.0
Field and Clinical Experiences - Total Semester Hours			10
C. Agriculture Content Knowledge Area (minimum of 53 semester hours)			
A. Agriculture Content Knowledge Area (minimum of 30 semester hours)			
	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	Ai-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 OR AGRI 2315 AGRI 2130 AGRI 4430 AGRI 4435 AGRI 1100 AGRI 3415 AGRI 2331 AGRI 2425 AGRI 3120 AGRI 3410 AGRI 3420 AGRI 3640 AGRI 4310 AGRI 4330	Agronomy I OR Agronomy II Global Agriculture 6 additional hours: Animal Science: Beef Animal Science: Pork Introduction to Agriculture Meat Science Soils Intro to Animal Production Distribution and Marketing of Ag Pro Animal Breeding Animal Nutrition Horticulture Propagation Materials Plant Breeding and Genetics Soils Management	2 3 6

	AGRI 4340 AGRI 4600 AGRI 4605	Agriculture Sprays and Chemicals Horticulture Plants I Horticulture Plants II	
B. Electives from the following areas: (15 semester hours)			30
	Course Number	Course Title	Semester Hours
1. Forestry	AGRI 3620	Residential Landscaping	3
2. Natural Resources	AGRI 4150 AGRI 3210	Natural Resources Economics Soil and Water Management	3 3
3. Agriculture Journalism	CTE 3060	Technical Writing	3
4. Integrated Pest Management	AGRI 3610	Agriculture Pest Management	3
Section B Total Hours			15
C. Professional Vocational Education (minimum of 8 semester hours)			
	Course Number	Course Title	Semester Hours
1.Methods of Teaching Vocational Agriculture	AGRI 4930 CTE 4160	Methods of Teaching Agriculture Education OR Methods of CTE	.5
2. Program Planning	AGRI 4900	Planning and Conducting Programs in Agriculture Education	1
3.Developing and Supervising Occupational Experience Programs a. Ownership (<i>Entrepreneurship</i>) b. Placement	AGRI 4910	Supervised Agriculture Experience Programs	1
4.Developing and Using Instructional Materials and Teaching Aids	AGRI 4930 CTE 4160	Methods of Teaching Agriculture Education Methods of CTE	.5 OR 1.5
5.Supervising Student Organizations	AGRI 4910	Supervised Agriculture Experience Programs	1
6. Teaching Agricultural Mechanics	AGRI 4920 AGRI 4200	Laboratory Management in Agriculture Education Advanced Ag Mechanics	.5 3
7.Planning and Conducting Adult Programs for Young and Adult Farmers	AGRI 4920	Laboratory Management in Agriculture Education	.5
Section C Total Hours			8
Total Content Hours			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), 6th 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