



AGRICULTURE EDUCATION 9-12

EDUCATOR PREPARATION PROGRAM NAME MISSOURI STATE UNIVERSITY	EDUCATOR PREPARATION PROGRAM CODE 119119
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INSTRUCTIONS

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 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	SEC302	General Methods of Instruction in the Middle and Secondary Schools	1(3)
b. Instructional Strategies and Techniques in Content Area Specialty	AGE558/658	Teaching of Agriculture	2(3)
	AGE578/678	Methods of Teaching Agricultural Management	0(2)
	AGE588/688	Methods of Teaching Agricultural Laboratory Management	0(2)
c. Assessment, Student Data, and Data-Based Decision-Making	SFR486	Management and Assessment in the Middle and Secondary Classroom	1.5(3)
d. Strategies for Content Literacy	RDG474 or RDG710	Reading and Writing in the Content Fields Content Area Literacy	0(3)
e. Critical Thinking and Problem Solving	SEC302	General Methods of Instruction in the Middle and Secondary Schools	.5(3)
	EDC350	School and Society	0(3)
f. English Language Learning	RDG474 or RDG710	Reading and Writing in the Content Fields Content Area Literacy	0(3)
	RDG574 or RDG640	Analysis and Correction of Difficulties in Literacy	0(3)

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	PSY360 or PSY710	Educational Psychology Psychology of Education	1.5(3)
b. Psychology/Education of the Exceptional Child	SPE340 or SPE715	Educational Alternative for Exceptional Students Foundations in Special Education	2-3
c. Differentiated Learning	SEC302	General Methods of Instruction in the Middle and Secondary Schools	.5(3)
	RDG474 or RDG710	Reading and Writing in the Content Fields Content Area Literacy	0(3)
d. Classroom Management	SFR486	Management and Assessment in the Middle and Secondary Classroom	1.5(3)
e. Cultural Diversity	EDC345	Introduction to Multicultural Education and Diversity	3
f. Educational Psychology	PSY360 or PSY710	Educational Psychology Psychology of Education	1.5(3)

3. Schools and the Teaching Profession

	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	RDG474 or RDG710	Reading and Writing in the Content Fields Content Area Literacy	0(3)

b. Legal/Ethical Aspects of Teaching	EDC350 AGE493 AGE494	School and Society Supervised Teaching Supervised Teaching	3 0(6) 0(6)
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4. Secondary Literacy (Minimum of six semester hours)

	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	RDG474 or RDG710	Reading and Writing in the Content Fields Content Area Literacy	3
b. Instructional Interventions for Students with Reading Deficits	RDG574 or RDG640	Analysis and Correction of Difficulties in Literacy	3
Professional Requirements - Total Semester Hours			26-27

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)	SEC302	General Methods of Instruction in the Middle and Secondary Schools	1(3)
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	AGE558/658	Teaching of Agriculture	1(3)
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	AGE493 AGE494	Supervised Teaching Supervised Teaching	6 6
Field and Clinical Experiences - Total Semester Hours			14

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 (Minimum of three semester hours)	AGS101	Animal Science	4
2. Agronomy (Minimum of three semester hours)	AGP103 AGN115	Choose one (1) Plant Science Sustainable Agriculture and the Environment	3
3. Agriculture Business (Minimum of three semester hours)	AGB334	Marketing Agricultural Products	3
4. Agriculture Economics (Minimum of three semester hours)	AGB144	Agriculture Economics I	4
5. Agriculture Mechanics (Minimum of three semester hours)	AGE337	Agricultural Mechanics Practices	3
6. Horticulture (Minimum of three semester hours)	AGP303 AGP333 AGP543	Choose one (1) Suburban Horticulture Landscape Design Greenhouse Management	3
7. Electives from above (Minimum of zero-12 semester hours)	AGN215 AGN143 AGN335 AGR383 Electives	Soils Choose one (1) Introductory Forestry Soil Conservation and Water Management Applied Entomology Electives to reach 30 hours	3 3 4
Agriculture Content Knowledge Area - Total Semester Hours			BSED/PB=30

B. Electives from the following suggested areas: (15 semester hours)

	Course Number	Course Title	Semester Hours
1. Forestry	AGB 144	Ag Economics (4)	16
2. Natural Resources	AGB 314	Legal Aspect of Agriculture (3)	
3. Agriculture Journalism	AGB 334	Marketing Ag Products (3) Lab Hrs (2)	
	AGB 354	Land Economics (3)	

4, Integrated Pest Management

AGB 374	Ag Business Management (3)
AGB 384	Agricultural Selling (3)
AGB 394	Agricultural Industry Study (2)
AGB 494	Problems Ag Business (Varied)
AGB 514	International AGR Trade (Varied)
AGB 534	Production Economics (3)
AGB 584	Farm Business Management (3)
AGB 614	International AgrTrade (3)
AGB 684	Farm Business Management (3)
AGE 493	Supervised Teaching-AG (6)
AGE 494	Supervised Teaching-AG (6)
AGE 498	Problems in Ag Ed (Varied) (3)
AGE 568	Course/Programs Building AG ED (3)
AGE 628	AG Ed – Special Topics (3)
AGE 668	Course/Programs Building AG ED
AGE 718	Topics/Ag Education (Varied)
AGE 728	Induction Year Teaching I (2)
AGE 738	Induction Year Teaching II (2)
AGP 300	Wine Appreciation for Customer (1)
AGP 303	Suburban Horticulture (3)
AGP 333	Landscape Design (3)
AGP 353	Turf Science (3)
AGP 370	Forage Crops/Animals & Environment (3)
AGP 441	Vegetable Production (3)
AGP 453	Crop Physiology (3)
AGP 496	Individual Study in Fruit Science (varied)
AGP 543	Greenhouse Management (3)
AGP 573	Plant Propagation (3)
AGP 575	Plant Breeding and Genetics (2)
AGP 576	Plant Breeding/Genetics Lab (1)
AGP 585	Weed Ecology and Mgmt (3)
AGP 633	Crop Physiology (3)
AGP 641	Vegetable Production (3)
AGP 643	Plant Propagation (3)
AGP 663	Greenhouse Production (3)
AGP 670	Forage Crops and Animal Envrn. (3)
AGP 675	Plant Breeding and Genetics (2)
AGP 676	Plant Breeding/Genetics Lab (1)
AGP 685	Weed Ecology and Management (3)
AGP 711	Viticulture (3)
AGP 730	Adv Topics in Plant Science (Varied)
AGR 098	Enrollment Tracking Course-UG (0)
AGR 100	Food Security (3)
AGR 108	Topics in Agriculture (1)
AGR 200	Mini Agriculture (1)
AGR 299	Special Topics (varied)
AGR 300	Food/Agricultural Chemistry (3)
AGR 320	Writing II - Applied Science (3)
AGR 399	Special Topics (varied)
AGR 490	Agronomy/Horticulture Sr. Seminar (1)
AGR 499	Internship in Agriculture (varied)
AGR 599	International Study/Agriculture (varied)
AGR 796	Science Internship (varied)
AGR 797	Seminar (1)
AGR 798	Research (varied)
AGR 799	Thesis (varied)
AGS 101	Animal Science (varied)
AGS 161	Introduction to Horses (3)
AGS 162	Introduction to Riding (1)
AGS 163	Intro/Hunt Seat Equestrian (1)
AGS 164	Intro/Stock Seat Equestrian (1)
AGS 263	Intermediate Hunt Seat Equestrian (1)
AGS 264	Intermediate Hunt Seat Equestrian (1)
AGS 301	Physiology of Farm Animals (3)
AGS 306	Veterinary Science (3)
AGS 311	Feeds and Feeding (3)
AGS 342	Meat Science and Products (varied)
AGS 362	Riding Instruction (2)
AGS 363	Advanced Hunt Seat Equestrian (1)
AGS 364	Advance Stock Seat Equestrian (1)
AGS 385	Companion Animal Management I (3)
AGS 389	Companion Animals in Society (3)
AGS 432	Sheep and Goat Science (2)
AGS 452	Beef Cattle Production (3)
AGS 461	Equine Nutrition & Physiology (2)
AGS 492	Problems in Animal Science (varied)
AGS 511/611	Animal Nutrition & Metabolism (3)
AGS 661	Equine Nutrition & Physiology (2)
AGS 712	Special Topics in Animal Science (varied)

C. Professional Vocational Education (Minimum of eight semester hours)

	Course Number	Course Title	Semester Hours
1. Methods of Teaching Vocational Agriculture	AGE558/658	Teaching of Agriculture	0(3)
2. Program Planning	AGE568/668	Course and Program Building in Agriculture Education	1(3)
3. Developing and Supervising Occupational Experience Programs			
a. Ownership (Entrepreneurship)	AGE318 AGE578/678	Introduction to Agricultural Education Methods of Teaching Agricultural Management	0(3) 1(3)
b. Placement	AGE318 AGE578/678	Introduction to Agricultural Education Methods of Teaching Agricultural Management	0(3) 1(3)
4. Developing and Using Instructional Materials and Teaching Aids	AGE558/658	Teaching of Agriculture	0(3)
5. Supervising Student Organizations	AGE318 AGE568/668	Introduction to Agricultural Education Course and Program Building in Agriculture Education	0(3) 1(3)
6. Teaching Agriculture Mechanics	AGE588/688	Methods of Teaching Agricultural Laboratory Management	2
7. Planning and Conducting Adult Programs for Young and Adult Farmers	AGE568/668 AGE318	Course and Program Building in Agriculture Education Introduction to Agricultural Education	1(3) 1(3)
Professional Vocational Education - Total Semester Hours			BSED/PB=8

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.