



Program Review Document

Preparation Program: *Agriculture Education*

Date Submitted: *January, 2018*

Certification Level:	<input type="checkbox"/> B-P <input type="checkbox"/> P-5 <input type="checkbox"/> 5-9 <input checked="" type="checkbox"/> 5-12 <input type="checkbox"/> 8-12 <input type="checkbox"/> P-12
Preparation Level:	<input checked="" type="checkbox"/> Initial
Modes of Delivery:	<input type="checkbox"/> Face-to-Face Only <input type="checkbox"/> Online Only <input checked="" type="checkbox"/> Hybrid
Degree Type:	<input checked="" type="checkbox"/> Undergraduate <input type="checkbox"/> Graduate (MAT) <input checked="" type="checkbox"/> Undergraduate – Cert Only <input type="checkbox"/> Option 6
Program Codes:	WKU-508 EPSB BS-1 EPSB Cert-Only-242
University Catalog:	https://www.wku.edu/undergraduatecatalog/ http://catalog.wku.edu/graduate/
WKU Quality Assurance Document:	http://www.wku.edu/cebs/caep/

SYLLABI: All Professional Education, Methods Syllabi, and a Sampling of Content Area Syllabi are available on the WKU website http://www.wku.edu/cebs/peu/epsb_prds.php.

Program Description

- COURSES:** Below are all required courses for this program. Course descriptions are those found in the appropriate WKU catalog (see links above).
 - Core Education Courses**
 - AGED 250 – Introduction to Teacher Education: The introductory course to a career in education. The student will acquire basic knowledge of teacher ethics, career awareness, student diversity, and curriculum. Field experiences are required. Students are responsible for arranging their own transportation to designated or assigned sites.
 - PSY 310 – Educational Psychology: A required educational psychology course for students seeking teacher certification. Educational psychology is designed to give the student a thorough understanding of the theories and principles of psychology as applied to teaching and learning. The students will demonstrate knowledge, understanding, and application of theories and principles of development, learning, memory, motivation, individual differences, instruction, classroom management, and measurement and evaluation. Psychology 310 may not be counted toward the psychology major or minor.
 - SPED 330 Introduction to Exceptional Education and Diversity in Learning: Characteristics of exceptionality, special education programs, schools, and community resources and research relative to exceptionality. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.
 - LTCY 421- A course in reading designed to offer a detailed view of the principles, materials and methods of instruction for middle and secondary grade students.
 - AGED 470 – Methods of Teaching Agriculture Education: Prerequisite: AGED 250 (EDU 250), EXED 330, AGRI 398, PSY 310. Admission to student teaching. Experiences related to the teaching of agriculture education,

further preparing the prospective teacher in supervised occupational experience programs. FFA activities, classroom management, and general teaching techniques. Departments are occasionally visited. Lecture, three hours.

- AGED 471 – Organization and Planning for Agriculture Education: Prerequisites: AGED 250 (EDU 250), EXED 330, AGRI 398, PYS 310, Admission to student teaching. A teacher preparation course designed to prepare pre-service teachers for the student teaching experience and for a full-time teaching position. Unit planning, lesson preparation, and delivery comprise the major portion of this course.
 - EDU 489 – Student Teaching Seminar: Analyzes the connection between teaching theory and actual practice. Portfolio refinement with the New Teacher Performance Standards will be emphasized. Field experiences in public schools and/or other appropriate settings away from campus are required. Pre-Service Teachers are responsible for their own transportation to designated or assigned sites.
 - SEC 490 – Student Teaching: This is a 12-week assignment in a secondary school classroom as a part of the Professional Semester taken in the senior year.
- **Core Content Courses**
 - AGRI 175 - Transition to university experience. Topics include study skills, critical thinking skills, library education, exploration of majors and careers, degree programs, campus resources, and personal development. Agricultural issues, degree requirements, specializations with agriculture, career trends, and resources are addressed.
 - AGMC 176 - Topics include the safe handling of hand tools, agricultural machinery, farm animals, pesticides, and fertilizers, with emphasis on hazard awareness, workplace regulations, and basic intervention strategies. Students will be trained in CPR (not certified) and other quick response first aid techniques.
 - AGRO 110 – Introduction to Plant Science: Principles of plant growth and development are applied to agriculture. Lecture, three hours.
 - ANSC 140 – Introduction to Animal Science: An introduction to the animal industry on a state, national and global basis, basic principles of reproduction and endocrinology, breeding and genetics, animal products and diseases. Emphasis is placed upon farm animal classification. Lecture, three hours.
 - AGMC 170/171 – Agricultural Mechanization/Lab: Co-requisite: AGMC 171. The topics studied in this course will be electrical power, land surveying and building construction. Lecture, two hours.
 - AGRI 291 – (** Effective Fall 2009 **) Prerequisites: Six hours of natural and/or social science and MATH 116. Application of scientific method in acquiring new knowledge, interpretation of statistical research data; application of statistical concepts.
OR
 - AGRO 320 – Pre-requisites: AGRO 110, BIOL 120 and CHEM 105 or CHEM 120 Effects of various physiological and environmental factors on crop production are discussed. Lecture, three hours.
OR
 - ANSC 345 – Prerequisites: ANSC 140 and BIOL 120 and CHEM 107 or equivalent. Principles of nutrition basic to animal feeding; chemistry and physiology of nutrition: nutrient requirements for normal body functions. Lecture, three hours.

- AGRO 350 – Soils: Pre-Requisites: CHEM 105 or CHEM 120 and CHEM 106 or CHEM 121 A basic study of soil properties and processes emphasizing soil management and its application to agriculture. Lecture, three hours. (fall, spring)
- AGECE 360 – Agricultural Economics: An introduction to the private and public sector of the United States economy. Identification of the resources used in agriculture. Elementary application of economic principles to resource use in agriculture. Lecture, three hours.
- AGECE 361 – Farm Management: Prerequisite: AGECE 360. Organizing and managing farms; factors affecting farm earnings; resource allocation; combining farm enterprises, individual farm organization and farm management problem assignments and application of the principles of business to farming are stressed. Lecture, three hours.
- AGRI 397 - Job search preparation, including completion of a resume, cover letter and mock interview. Options for obtaining graduate education and internship experience are also explored. Outside speakers from the agriculture industry are included.
- AGRI 398 – General Seminar: Senior standing in agriculture or instructors consent. Current literature from representative journals in the field of agricultural research is reviewed orally by students. Discussion, one hour.
- AGRI 398e – Agriculture Education Seminar: Current literature from representative journals in the field of agricultural research is reviewed orally by students. Discussion, one hour.
- AGRI 494 – Contemporary Agricultural Issues: An analysis of contemporary agricultural ethical issues as viewed by consumers, advocacy groups and producers. While issues may vary, topics may include: animal welfare, biotechnology, environmental protection, food quality, food policy, land use, and tobacco.
- **Other Required Content Courses (15 hours)**
 - ANSC 338. INTRODUCTORY LIVESTOCK EVALUATION AND SELECTION. (3) Prerequisite: ANSC 140 or instructor's consent. Fundamental selection criteria utilized in evaluating beef cattle, hogs, sheep, dairy cattle and horses. Oral and written evaluations are included.
 - AGRO 352. SOIL FERTILITY AND FERTILIZERS. (3) Prerequisite: AGRO 350 and AGRO 110 . Soil reactions of elements essential for plant growth and development, sources and manufacture of fertilizer materials, use of fertilizers and lime, use of sound management practices are stressed.
 - HORT 316. GREENHOUSE MAINTENANCE AND OPERATION. (2) Structures, equipment, and maintenance of greenhouse facilities and an introduction to basic techniques for growing floriculture crops.
 - HORT 317. GREENHOUSE MAINTENANCE AND OPERATION LABORATORY. (1) Corequisite: HORT 316. A laboratory course correlated with HORT 316.
 - AGECE 361. FARM MANAGEMENT. (3) Prerequisite: AGECE 360. Organizing and managing farms; factors affecting farm earnings; resource allocation; combining farm enterprises, individual farm organization and farm management problem assignments and application of the principles of business to farming are stressed.

- AGMC 371. AGRICULTURAL MECHANICS. (2) Corequisite: AGMC 372. The major focus of this course will be metal work, welding and basic metallurgy.
- AGMC 372. AGRICULTURAL MECHANICS LABORATORY. (1) Corequisite: AGMC 371. A laboratory course correlated with AGMC 371. Course Fee

3. KENTUCKY TEACHER PERFORMANCE STANDARDS ALIGNMENT: The table delineates how the EPP-wide Initial Preparation Key Assessments, aligned to both Kentucky Teacher Performance and InTASC Standards, are embedded in the program.

KEY ASSESSMENTS					
AREA		NAME	STANDARD ALIGNMENT		COLLECTED
			KTS	InTASC	
1	Content Assessment	Praxis II	(1)	(4,5)	Praxis Report
2	Other Content Assessment	Major GPA	(1)	(4)	Prior to Student Teaching
3	Assessment of Professional Capabilities	Praxis PLT	(2-10)	(1-3,6-10)	Praxis Report
4	Clinical Experiences Measure of Teaching Proficiency	Student Teacher Evaluation	1-10	1-10	SEC 490
5	Measure of Assessment Proficiencies	A: Learning Goals & Pre/Post Assessment B: Analysis of Student Learning	1-3,5-7	1-10	AGED 471
6	Ability to Diagnose and Prescribe for Personalized Student Learning	Design for Instruction	1,2,5,6	1,4-10	AGED 470
7	Application of Content Knowledge and Pedagogical Skills	Teacher Work Sample	1-3,5-7,9	1-10	EDU 489
8	Assessment of Literacy Outcomes	Operational Stance Concerning Content-Area and Discipline-Specific Literacies	1,2,5	1,4-7	LTCY 421
9	Dispositions	Dispositions Form	NA	NA	AGED 470 SEC 490
10	KTS Exit Survey	KTS Exit Survey	1-10	1-10	EDU 489

4. COURSE EXPERIENCES ADDRESSING LEARNED SOCIETY (SPA) STANDARDS: The table below delineates the alignment between program courses and the appropriate SPA standards.

American Association for Agriculture Education Standards (AAAE) 2017 Standards for School-Based Agricultural Education Teacher Preparation Programs						
	AGED 250	AGED 300	AGRI 398	AGED 470	AGED 471	SEC 490
STANDARD 1: PEDAGOGICAL CONTENT KNOWLEDGE Demonstrate the capacity to utilize experiential learning opportunities to encourage student development and construct an instructional delivery process that allows all students access to systematic experiential, service, and work based experience learning.	X	X		X	X	X
STANDARD 3: TECHNICAL CONTENT KNOWLEDGE Recognize and appreciate the influence of diverse cultures on global agricultural production practices, possess global competence of issues relating to food and fiber systems, and realize the impact of agriculture/agricultural practices on global populations.	X	X		X	X	
STANDARD 4: PROGRAM PLANNING Meet the needs of program stakeholders			X	X	X	
STANDARD 5: DIVERSITY Embrace and celebrate diversity by creating environments that build positive rapport with students, parents, stakeholders, and community members ensuring fairness and equity.	X	X		X	X	
STANDARD 6: PROFESSIONALISM Strive for personal and professional growth to meet the needs of their students, school, community and profession through dedication to all aspects of the discipline.	X		X	X	X	
STANDARD 7: PERSONAL DISPOSITIONS Demonstrate caring, communicative, creative, and contextually aware dispositions.	X	X		X	X	

5. CURRICULUM CONTRACT:



CURRICULUM CONTRACT

**Undergraduate Degree Program – Bachelor of Science in Agriculture Education (WKU #508 EPSB #1)
Leading to Initial Teacher Certification (Rank III) in Grades 5-12**

Candidate Contact Information:

Last Name	First Name	Middle Name/Initial	WKU ID Number
Street	Home Phone Number		Cell Phone Number
City	State	Zip Code	Email Address

Admission Requirements:

To be admitted into an WKU educator preparation program, candidates must meet all minimal criteria described under “Transition Point 1: Admission to Education Preparation Programs.”

CONTENT COURSES (29 HOURS)	HOURS	PROFESSIONAL EDUCATION COURSES (32 HOURS)	HOURS	
AGRI 175	1	AGED 250	3	
AGRO 110	3	SPED 330	3	
AGMC 170/171	3	PSY 310	3	
ANSC 140	3	LTCY 421	3	
AGEC 360	3	EDU 489	3	
AGRI 291	3	SEC 490	10	
AGRO 320	3	AGED 470	3	
AGRO 350	3	AGED 471	3	
AGRI 494	3	AGRI 398	1	
AGRI 397	1			
AGRI 398	1			
AGMC 176	2			
		GENERAL EDUCATION COURSES (39 HOURS)	HOURS	
Required Content Course (15 Hours) Chosen from Agriculture Department Areas below	HOURS	* See WKU catalog for guidance in selecting appropriate coursework to meet WKU’s General Education requirements		
ANSC 338	3	Additional Courses required outside of the AgEd Concentration (18 hours)		
AGRO 352	3			
HORT 316/317	3			
AGEC 361	3		PSY 100	3
AGMC 371/372	3		BIOL 120/121	4
		CHEM 105/106	4	
		CHEM 107/108	4	
		MATH 116	3	

*if General Education courses are not specific to the program, just include this statement in the box above: “See WKU catalog for guidance in selecting appropriate coursework to meet WKU’s General Education requirements.”

Mid-Point Assessment Requirements:

To be admitted into the Student Teaching Semester, candidates must meet all minimal criteria described under “Transition Point 2: Admission to Final Clinical Experience.”

Program Completion Requirements:

1. To complete a teacher preparation program, candidates must meet all minimal criteria described under “Transition Point 3: Program Exit.”
2. Note that additional requirements (described below) must be met in order to be recommended for initial certification.
3. Rules and regulations governing the completion of this program of study have been described above and on the next page. By your signature, you are acknowledging that you understand and accept responsibility for meeting these requirements.

Delineation of EPP-Wide Transition Points – Initial Preparation Program

Transition Point 1: Admission to Education Preparation Programs				
Data Reviewed	Minimal Criteria	Review Cycle	Reviewed By	Approved By
Unit Level Data:				
Admission to Teacher Education				
<ul style="list-style-type: none"> • Cumulative GPA • CASE test scores • Application to include: <ul style="list-style-type: none"> – 3 faculty recommendations – Physical (including TB test) – KY criminal background check – Signed KY Code of Ethics 	<ul style="list-style-type: none"> • 2.75+ average or above • Minimum CASE scores required as defined by current state guidelines (demonstrates Critical Thinking and Communication Skills) • 3 positive faculty recommendations (demonstrates their dispositions for teaching indicating their creativity and collaboration skills) • Passing physical • Passing background checks 	Each Month	Office of Teacher Services	Professional Education Council
Transition Point 2: Admission to Final Clinical Experience				
Data Reviewed	Minimal Criteria	Review Cycle	Reviewed By	
Unit Level Data				
Successful application to Student Teaching				
<ul style="list-style-type: none"> • GPAs and at least 90+ hours completed (including 75% of content courses) • Completion of required field hours • Completion of Key Assessments • Dispositions scores 	<ul style="list-style-type: none"> • 2.75+ GPA (overall, major, minor, and professional education courses); C or higher in all professional education courses • At least 200 hours documented based on requirements of 16 KAR 5:040 • 2+ holistic score; 2+ per KTS measured • All dispositions average “At Standard” (3+) 	Each Semester	Office of Teacher Services	Professional Education Council
Transition Point 3: Program Exit				
Data Reviewed	Minimal Criteria	Review Cycle	Reviewed By	
Unit Level Data:				
Program Exit				
<ul style="list-style-type: none"> • Candidate student teaching • Teacher Work Sample scores • Dispositions scores 	<ul style="list-style-type: none"> • C or Higher • 2+ holistic score; 2+ per KTS measured • All scores “At Standard” (3+) 	Each Semester	Office of Teacher Services	Certification Officer

To be recommended for initial certification, an applicant must document:

Completion of an approved educator preparation program in each desired certification area; Passing score(s) on the appropriate PRAXIS II and PLT exam(s) or other assessments required for each desired certification area; Achievement of at least a 2.75 GPA overall, in each major and minor, and in professional education courses; Attainment of at least a “C” in all professional education courses, including student teaching.

Remediation Opportunities:

TP 1: Candidates may continue to submit Faculty Recommendations until three are positive.

TP 2: Candidates may request additional instruction from faculty and may resubmit Key Assessments in order to improve their scores.

TP 3: Candidates may request additional instruction from faculty and may resubmit the Teacher Work Sample Key Assessment in order to improve their score. Candidates may repeat student teaching.

EPSB Disclaimer: Teacher certification requirements are subject to change. Before registering for the test(s), please refer to the Education Professional Standards Board (EPSB) website at www.epsb.ky.gov for current requirements or contact EPSB at 502-564-4606 or toll free 888-598-7667.

By signing below, the candidate ensures that he or she has been advised of, understands, and agrees to adhere to all program requirements, including assessment requirements, of the program.

Candidate Name (printed):

Education Advisor's Signature/Date:

Signature

Date

Candidate Signature/Date:

Specialization Advisor's Signature/Date (if needed):

Signature

Date

Signature

Date

****END OF CURRICULUM CONTRACT****

6. CURRICULUM CONTRACT:



CURRICULUM CONTRACT
Agriculture Education (WKU #508 EPSB #242)
Non-degree seeking Certification Only in Agriculture Education (Grades 5-12)
(This program does not lead to a degree)

Candidate Contact Information:

Last Name	First Name	Middle Name/Initial	WKU ID Number
Street	Home Phone Number		Cell Phone Number
City	State	Zip Code	Email Address

Admission Requirements:

To be admitted into an WKU educator preparation program, candidates must meet all minimal criteria described under “Transition Point 1: Admission to Education Preparation Programs.”

CONTENT COURSES (29 HOURS)	HRS	PROFESSIONAL EDUCATION COURSES (32 HOURS)	HRS
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AGRO 110	3	SPED 330	3
AGMC 170/171	3	PSY 310	3
ANSC 140	3	LTCY 421	3
AGEC 360	3	EDU 489	3
AGRI 291	3	SEC 490	10
AGRO 320	3	AGED 470	3
AGRO 350	3	AGED 471	3
AGRI 494	3	AGRI 398	1
AGRI 397	1		
AGRI 398	1		
AGMC 176	2		
Required Content Course (15 Hours) Chosen from Agriculture Department Areas below	HRS	Additional Courses required outside of the AgEd Concentration (18 hours)	HRS
ANSC 338	3	PSY 100	3
AGRO 352	3	BIOL 120/121	4
HORT 316/317	3	CHEM 105/106	4
AGEC 361	3	CHEM 107/108	4
AGMC 371/372	3	MATH 116	3

*if General Education courses are not specific to the program, just include this statement in the box above: “See WKU catalog for guidance in selecting appropriate coursework to meet WKU’s General Education requirements.”

Mid-Point Assessment Requirements:

To be admitted into the Student Teaching Semester, candidates must meet all minimal criteria described under “Transition Point 2: Admission to Final Clinical Experience.”

Program Completion Requirements:

4. To complete a teacher preparation program, candidates must meet all minimal criteria described under “Transition Point 3: Program Exit.”
5. Note that additional requirements (described below) must be met in order to be recommended for initial certification.
6. Rules and regulations governing the completion of this program of study have been described above and on the next page. By your signature, you are acknowledging that you understand and accept responsibility for meeting these requirements.

Delineation of EPP-Wide Transition Points – Initial Preparation Program

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Admission to Teacher Education				
<ul style="list-style-type: none"> • Documentation of completion of baccalaureate degree in an approved certification area • Cumulative GPA • CASE test scores • Application to include: <ul style="list-style-type: none"> – 3 faculty recommendations – Physical (including TB test) – KY criminal background check – Signed KY Code of Ethics 	<ul style="list-style-type: none"> • Completion of Application • 2.75+ average or above • Minimum CASE scores required as defined by current state guidelines (demonstrates Critical Thinking and Communication Skills) • 3 positive faculty recommendations (demonstrates their dispositions for teaching indicating their creativity and collaboration skills) • Passing physical • Passing background checks 	Each Month	Office of Teacher Services	Professional Education Council
Transition Point 2: Admission to Final Clinical Experience				
<i>Data Reviewed</i>	<i>Minimal Criteria</i>	<i>Review Cycle</i>	<i>Reviewed By</i>	<i>Approved By</i>
Unit Level Data				
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<ul style="list-style-type: none"> • GPAs and at least 90+ hours completed (including 75% of content courses) • Completion of required field hours (dependent on current certification status) • Completion of Key Assessments • Dispositions scores 	<ul style="list-style-type: none"> • 2.75+ GPA (overall, major, minor, and professional education courses); C or higher in all professional education courses • At least 200 hours documented based on requirements of 16 KAR 5:040 • 2+ holistic score; 2+ per KTS measured • All dispositions average “At Standard” (3+) 	Each Semester	Office of Teacher Services	Professional Education Council
Transition Point 3: Program Exit				
<i>Data Reviewed</i>	<i>Minimal Criteria</i>	<i>Review Cycle</i>	<i>Reviewed By</i>	<i>Approved By</i>
Unit Level Data:				
Program Exit				
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Signature

Date

Candidate Signature/Date:

Specialization Advisor's Signature/Date (if needed):

Signature

Date

Signature

Date

****END OF CURRICULUM CONTRACT****