

# Table of Contents

## Agriculture Education 2021

---

### **Major-AP-AGRI-Agricultural Education (BS) 2021**

Institutional Mission .....	2
Program Mission .....	2
1 2021 .....	1
1.1 Social and Historical Perspectives .....	1
1.2 Educational Concepts and Professionalism .....	1
1.3 Plant and Soil Science .....	1
1.4 Animal Science .....	1
1.5 Agriculture Mechanization and Technology .....	1
1.6 Agricultural Business and Economics .....	1
1.7 Natural Resources and Environment .....	1
1.8 Program Planning and Management .....	1
Project Attachments .....	2

# Major-AP-AGRI-Agricultural Education (BS)

2021

Completed

1 GOALS 8 OUTCOMES 9 MEASURES 15 TARGETS 1 FINDINGS 1 ATTACHMENTS

## Institutional Mission

Arkansas Tech University is dedicated to student success, access, and excellence as a responsive campus community providing opportunities for progressive intellectual development and civic engagement. Embracing and expanding upon its technological traditions, Tech inspires and empowers members of the community to achieve their goals while striving for the betterment of Arkansas, the nation, and the world.

## Program Mission

In the Department of Agriculture, we strive to provide rigorous classroom and hands-on learning experiences to prepare you for a future career in the agriculture industry and beyond. While the agriculture industry has a rich history, it continues to grow.

Program Learning Outcomes		Expectations/Target for this Outcome	Findings/Results
<p>1 <b>Calendar Year Assessment Information</b> 2021</p> <p>APPROVALS &amp; INFORMATION BLOCK (**NOTE**. This block provides a brief description of actions taking place (or planned to take place) during the current assessment cycle. If there are more (or less) outcomes assessed, please alter as necessary. Additional comments are also welcome.) Point of Contact for this year's assessment (add additional names as needed): 1) 2) APPROVALS</p> <p>----- Department Head Approval: Marshall Swafford Date: 6/14/22 Dean Approval (reviewed; not approved) : Date: Office of Assessment Review: Date:</p> <p>----- Program Level Context: (ex. Second year using Weave Assessment Management System, or ADHE Program Review conducted on 3/15/20) ALL EDUCATION PROGRAMS ARE CAEP ACCREDITED. Some assessment plans are housed in TaskStream. Contact Dr. Tim Carter for more information. Student Learning Outcomes Assessed during Calendar Year 2021 (Add more as necessary): Outcome 1: 1.6 - Agricultural Business and Economics Curriculum Committee Proposals or Changes (erase choice not used): Y / N Assessment Data Used as Support for Change: (give Outcome #) Is Status of Project Noted in Title Bar Current? (erase choice</p>			


Program Learning Outcomes		Expectations/Target for this Outcome	Findings/Results
not used): Y / N Change status in title bar above Are All Attachments Noted in Assessment Plan Added Below? (erase choice not used): Y / N ----- Additional Comments:			
<b>1.1</b> <b>2 FINDING NOT ENTERED</b> Social and Historical Perspectives The student-teacher will learn social and historical perspectives concerning American agriculture.	<b>1.1.1</b> Standardized Test Standardized Exam (Praxis Score)	<b>1.1.1.1</b> <b>Nothing Entered</b> 80% Pass on first attempt;	Not Entered REFLECTION ON FINDINGS AND RECOMMENDATIONS FOR NEXT STEPS
		<b>1.1.1.2</b> 90% Pass overall.	Not Entered REFLECTION ON FINDINGS AND RECOMMENDATIONS FOR NEXT STEPS
<b>1.2</b> <b>1 FINDING NOT ENTERED</b> Educational Concepts and Professionalism The student-teacher has knowledge of the basic concepts of agricultural education and engages students in activities designed to improve understanding of agriculture and its role in today's society.	<b>1.2.1</b> Standardized Test PRAXIS III PLT	<b>1.2.1.1</b> 90% passage overall after one year of employment.	Not Entered REFLECTION ON FINDINGS AND RECOMMENDATIONS FOR NEXT STEPS
<b>1.3</b> <b>2 FINDING NOT ENTERED</b> Plant and Soil Science	<b>1.3.1</b> Standardized Test	<b>1.3.1.1</b> 80% Pass on first attempt;	Not Entered REFLECTION ON FINDINGS AND RECOMMENDATIONS FOR NEXT STEPS

Program Learning Outcomes		Expectations/Target for this Outcome	Findings/Results
The student-teacher will learn concepts and skills related to plant & soil science, horticulture & floriculture, and fruit & vegetable production.	Standardized Exam (Praxis Score)	1.3.1.2 90% Pass overall.	Not Entered REFLECTION ON FINDINGS AND RECOMMENDATIONS FOR NEXT STEPS
<p>1.4</p> <p><b>2 FINDING NOT ENTERED</b></p> <p>Animal Science</p> <p>The student-teacher will learn concepts and skills related to animal science and production.</p>	<p>1.4.1</p> <p>Standardized Test</p> <p>Standardized Exam (Praxis Score)</p>	<p>1.4.1.1</p> <p>80% Pass on first attempt;</p>	Not Entered REFLECTION ON FINDINGS AND RECOMMENDATIONS FOR NEXT STEPS
		<p>1.4.1.2</p> <p>90% Pass overall.</p>	Not Entered REFLECTION ON FINDINGS AND RECOMMENDATIONS FOR NEXT STEPS
<p>1.5</p> <p><b>2 FINDING NOT ENTERED</b></p> <p>Agriculture Mechanization and Technology</p> <p>The student-teacher will learn concepts of agriculture mechanics and gain knowledge of new and emerging technology applicable to agriculture.</p>	<p>1.5.1</p> <p>Standardized Test</p> <p>Standardized Exam (Praxis Score)</p>	<p>1.5.1.1</p> <p>80% Pass on first attempt;</p>	Not Entered REFLECTION ON FINDINGS AND RECOMMENDATIONS FOR NEXT STEPS
		<p>1.5.1.2</p> <p>90% Pass overall.</p>	Not Entered REFLECTION ON FINDINGS AND RECOMMENDATIONS FOR NEXT STEPS

Program Learning Outcomes		Expectations/Target for this Outcome	Findings/Results
<p>1.6</p> <p>Agricultural Business and Economics</p> <p>The student-teacher will gain knowledge of keeping records and reports, processing and marketing agricultural products, and entrepreneurship.</p>	<p>1.6.1</p> <p>Standardized Test</p> <p>(MS - Spring/Fall 2021)</p> <p>Consolidation of student standardized exam (PRAXIS Score) scores that related to agricultural business and economics.</p>	<p>1.6.1.1 <b>Not Met</b></p> <p>Rating Scale: Exemplary: 4th quartile Satisfactory: 3rd quartile Unsatisfactory: 2nd quartile and below.</p> <p>80% of student scores will meet or exceed the minimum threshold for "Satisfactory".</p>	<p>(Fall/Spring 2021) - As identified in spring 2022 5 of 10 (50%) of student outcomes were "Satisfactory" (30%) or "Exemplary" (20%). Exemplary: 2 of 10 (20%) Satisfactory: 3 of 10 (30%) Unsatisfactory: 5 of 10 (50%)</p> <p><b>REFLECTION ON FINDINGS AND RECOMMENDATIONS FOR NEXT STEPS</b></p> <p>As a result of these findings and similar findings from previous years, a specific course was developed for agricultural education students to address their academic needs in this area to better prepare them to teach this content at the secondary level. Moving forward, attention will be paid to student PRAXIS scores in this area to determine what, if any, changes or improvement to content will be needed to address future concerns. (MS - Fall/Spring 2021) - As of spring 2022</p>
<p>1.7</p> <p><b>2 FINDING NOT ENTERED</b></p> <p>Natural Resources and Environment</p> <p>The student-teacher will gain knowledge of natural resources, forestry, and conservation.</p>	<p>1.7.1</p> <p>Standardized Test</p> <p>Standardized Exam (Praxis Score)</p>	<p>1.7.1.1</p> <p>80% Pass on first attempt;</p> <p>1.7.1.2</p> <p>90% Pass overall.</p>	<p>Not Entered</p> <p><b>REFLECTION ON FINDINGS AND RECOMMENDATIONS FOR NEXT STEPS</b></p> <p>Not Entered</p> <p><b>REFLECTION ON FINDINGS AND RECOMMENDATIONS FOR NEXT STEPS</b></p>

Program Learning Outcomes		Expectations/Target for this Outcome	Findings/Results
<p>1.8</p> <p><b>3 FINDING NOT ENTERED</b></p> <p>Program Planning and Management</p> <p>The student-teacher will learn skills and concepts in: the role, history, and practices of the Future Farmers of America (FFA); parliamentary procedures and public speaking; greenhouse management.</p>	<p>1.8.1</p> <p>Standardized Test</p> <p>Standardized Exam (Praxis Score)</p>	<p>1.8.1.1</p> <p>80% Pass on first attempt;</p>	<p>Not Entered</p> <p>REFLECTION ON FINDINGS AND RECOMMENDATIONS FOR NEXT STEPS</p>
		<p>1.8.1.2</p> <p>90% Pass overall.</p>	<p>Not Entered</p> <p>REFLECTION ON FINDINGS AND RECOMMENDATIONS FOR NEXT STEPS</p>
	<p>1.8.2</p> <p>Observation of Intern Supervisor</p> <p>Student intern teaching evaluation.</p>	<p>1.8.2.1</p> <p>TBA when internship rotations are determined.</p>	<p>Not Entered</p> <p>REFLECTION ON FINDINGS AND RECOMMENDATIONS FOR NEXT STEPS</p>

## Project Attachments (1)

Attachments	File Size
 Agricultural Education Assessment Meeting 1.24.22.docx	18KB

## Agricultural Education Assessment Meeting

1/24/22, 1:00pm

Present:

Marshall Swafford

Justin Killingsworth

Bryan Rank

Discussion was held among the Agricultural Education faculty regarding assessment data for the Agricultural Education B.S. Specific discussion centered on the agribusiness content area of the PRAXIS test for pre-service teachers. It was decided that before changes are made to the curriculum in this area that two more semesters of pre-service teacher PRAXIS scores data should be collected and assessed to determine what changes, if any, are needed in future years.

Meeting adjourned at 2:35pm.