

MISSOURI EDUCATOR GATEWAY ASSESSMENTS

Field 015 Agriculture

Content Alignment Table

The Content Alignment Study below provides information about the alignment of knowledge and skills described in the competencies that make up the test framework for this licensure test with the state and national standards designated by the Department of Elementary and Secondary Education for this field. The table indicates those portions of the relevant state and/or national standards that are addressed -- in whole or in part -- by each competency.

Test Competency	Missouri Department of Elementary and Secondary Education Agricultural Education: Curriculum Profiles for Agricultural Education
Agricultural Leadership	
0001 Understand core principles of agricultural education.	Agricultural Science I
0002 Understand the role of leadership in agricultural education.	Agricultural Science I: Life Knowledge and Cluster Skills Agriculture Communication and Leadership
0003 Understand careers and career development in agriculture.	Agricultural Science I: Life Knowledge and Cluster Skills Agricultural Science II: Life Knowledge and Cluster Skills
Plant and Soil Science	
0004 Understand the biology of plants.	Agricultural Science II: Plant Systems Advanced Crop Science Biotechnology – Applications in Agriculture
0005 Understand soils and crop production.	Agricultural Science II: Plant Systems Advanced Crop Science Greenhouse Operation and Management Horticulture

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Test Competency	Missouri Department of Elementary and Secondary Education Agricultural Education: Curriculum Profiles for Agricultural Education
Animal Science	
0006 Understand the biology of animals.	Agricultural Science I: Animal Systems Animal Science Advanced Livestock Production and Management Biotechnology – Applications in Agriculture
0007 Understand animal production.	Agricultural Science I: Animal Systems Animal Science Advanced Livestock Production and Management
Agricultural Mechanics	
0008 Understand mechanical systems in agriculture.	Agricultural Science I: Power, Structural, and Technical Systems Agricultural Science II: Power, Structural, and Technical Systems Agriculture Power I Agriculture Power II Agricultural Machinery
0009 Understand construction systems in agriculture.	Agricultural Science I: Power, Structural, and Technical Systems Agricultural Science II: Power, Structural, and Technical Systems Agricultural Construction Agriculture Structures

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Agricultural Business	
0010 Understand business management in agriculture.	Agricultural Science I: Agribusiness Systems Agribusiness Sales, Marketing, and Management Agriculture Management and Economics
0011 Understand agricultural marketing.	Agribusiness Sales, Marketing, and Management Agriculture Management and Economics
Natural Resources and Food Science	
0012 Understand natural resource management.	Agricultural Science I: Natural Resource Systems Agricultural Science I: Environmental Service Systems Fish and Wildlife Management Forest Management
0013 Understand food science.	Agricultural Science I: Food Processing Systems Food Science and Technology