

**Certification Examinations for Oklahoma Educators (CEOE)
Framework Development Correlation Table**

The Framework Development Correlation Table provides information about possible alignment of some of the knowledge and skills contained within the CEOE framework for a test field with other conceptualizations of the knowledge and skills of a field. It was produced using Oklahoma and educator association standards documents that were publicly available at the time of framework development. In the preparation of the Correlation Table, the alignment of a CEOE test competency with standards documents was indicated if the content of a standard was covered, in whole or in part, by the CEOE test competency. For some CEOE test competencies, multiple standards from Oklahoma, or other documents were aligned with the content of a CEOE test competency. An indication of alignment in the Correlation Table does not necessarily imply complete congruence of the content of a CEOE test competency with the standard.

Matrix Showing Match between Full Subject Matter Competencies for Agricultural Education and CEOE Test Objectives

Oklahoma Subject Matter Competencies	CEOE Test Objectives
1. Agricultural Business/Marketing	
a. Understands the fundamental principles of agricultural business/marketing and management, including principles of basic recordkeeping and methods for acquiring and managing agricultural finances.	0001 Understand financial management and decision making in agricultural business.
	0002 Understand agricultural business management practices.
	0003 Understand principles and procedures related to purchasing, marketing, and merchandising in agricultural business.
	0004 Understand the role of computers and technology in agricultural business.
	0005 Understand agricultural business in Oklahoma and the world.
2. Animal Science	
a. Selects and handles livestock, recognizes factors related to the safe handling of animals and animal products that become food for human consumption, and understands the importance of alternative agricultural enterprises.	0008 Understand domestic animals and their uses in society.
	0009 Understand environmental and facilities management.
	0013 Understand practices for handling domestic animals and maintaining their health.
b. Understands concepts and principles of animal reproduction and the importance of	0010 Understand the anatomy and

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livestock health and nutrition.	<p>physiology of animals.</p> <p>0011 Apply knowledge of animal reproduction and genetics in domestic animals.</p> <p>0012 Analyze nutritional requirements of domestic animals.</p> <p>0013 Understand practices for handling domestic animals and maintaining their health.</p>
3. Plant and Soil Science	
<p>a. Understands concepts, principles, and laboratory skills related to plant and soil science, including the importance of traditional crops and alternative enterprises.</p>	<p>0014 Understand characteristics, components, and properties of soil.</p> <p>0015 Understand plant anatomy and physiology.</p> <p>0016 Understand soil treatments and growing media.</p> <p>0018 Apply principles of land classification, management, and irrigation.</p>
<p>b. Knows factors related to the safe handling of plants and plant products that become food for human consumption and identifies causes and characteristics of common plant pests and diseases.</p>	<p>0017 Apply methods and procedures for protecting and caring for plants.</p> <p>0019 Understand environmental and food safety issues related to plant and soil science.</p>
4. Agricultural Mechanics	
<p>a. Practices shop safety, including the operation and knowledge of hand/power tools; basic principles/concepts of power and machinery, metals, and metal processes; and basic principles of building construction.</p>	<p>0020 Apply procedures related to measurement and drafting.</p> <p>0021 Understand small engines and power equipment.</p> <p>0022 Apply construction principles and techniques.</p> <p>0023 Understand safety principles and practices in agriculture.</p>

Oklahoma Subject Matter Competencies	CEOE Test Objectives
5. Natural Resources	
<p>a. Evaluates the relationship between agriculture and the management of water, land, and air quality and understands concepts and principles of plant and animal environmental factors, including the handling of chemicals.</p>	<p>0024 Understand the relationships among agriculture, the environment, and society.</p> <p>0025 Understand renewable and nonrenewable resources.</p> <p>0026 Understand the role of forest and range management in protecting habitats and species.</p> <p>0027 Understand the concept of multiple-use management.</p>
6. Communications/Leadership	
<p>a. Acknowledges the foundations of agricultural education, including its purpose, functions, and the background of FFA.</p>	<p>0006 Understand agricultural education as a profession.</p>
<p>b. Has an understanding of basic parliamentary procedure; effective oral and written communication skills; and promotes teamwork, motivation, and leadership principles.</p>	<p>0007 Understand the role of communication skills and leadership skills in agriculture.</p>