

**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 NCATE Curriculum Guidelines for Elementary Education and CEOE Competencies**

NCATE Curriculum Guidelines	CEOE Competencies
<p>1.0 Programs should provide teacher candidates with an understanding of the roles of elementary school teachers and the alternative patterns of elementary school organization. Programs include:</p>	<p>0001 (OPTE) Student learning and development and learning opportunities that support student intellectual, social, and physical development at all grade levels</p> <p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0003 (OPTE) Application of motivational and behavioral practices to create positive learning environments</p> <p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p>
<p>1.1 Experiences that demonstrate various teacher roles, school organizational patterns, and philosophical variants.</p>	<p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p> <p>0011 (OPTE) Comprehension of the “Oklahoma Criteria for Effective Teaching Performance” and its incorporation into instructional strategies</p> <p>0012 (OPTE) Fostering positive interactions with colleagues, families, and</p>

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	<p>community organizations in support of student learning and well-being</p> <p>0013 (OPTE) Legal aspects of teaching, including student and family rights and teacher rights and responsibilities</p>
<p>1.2 Opportunities to develop understanding and skills in the dynamics of interactions with parents, community members, professional colleagues, and other school personnel.</p>	<p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p> <p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p> <p>0011 (OPTE) Comprehension of the “Oklahoma Criteria for Effective Teaching Performance” and its incorporation into instructional strategies</p> <p>0012 (OPTE) Fostering positive interactions with colleagues, families, and community organizations in support of student learning and well-being</p> <p>0013 (OPTE) Legal aspects of teaching, including student and family rights and teacher rights and responsibilities</p>
<p>1.3 Experiences that encourage the role of elementary school teachers as life-long learners.</p>	<p>0001 (OPTE) Student learning and development and learning opportunities that support student intellectual, social, and physical development at all grade levels</p> <p>0004 (OPTE) Comprehension of lifelong learning, making learning enjoyable, and the willingness to change to promote student learning and development</p> <p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued</p>

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	professional growth
<p>2.0 Programs should provide study and experience concerning the role of the teaching profession in the dynamics of curriculum change and school improvement. Programs include:</p>	<p>0004 (OPTE) Comprehension of lifelong learning, making learning enjoyable, and the willingness to change to promote student learning and development</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p> <p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p> <p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p> <p>0011 (OPTE) Comprehension of the “Oklahoma Criteria for Effective Teaching Performance” and its incorporation into instructional strategies</p> <p>0012 (OPTE) Fostering positive interactions with colleagues, families, and community organizations in support of student learning and well-being</p>
<p>2.1 Study of the role of elementary school teachers and professional organizations in curriculum development.</p>	<p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p>

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	<p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p> <p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p> <p>0011 (OPTE) Comprehension of the “Oklahoma Criteria for Effective Teaching Performance” and its incorporation into instructional strategies</p> <p>0012 (OPTE) Fostering positive interactions with colleagues, families, and community organizations in support of student learning and well-being</p>
<p>2.2 Opportunities to develop analytical and interactional skills essential for curriculum change and school improvement.</p>	<p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p>
	<p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p> <p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p> <p>0011 (OPTE) Comprehension of the “Oklahoma Criteria for Effective</p>

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	<p>Teaching Performance” and its incorporation into instructional strategies</p> <p>0012 (OPTE) Fostering positive interactions with colleagues, families, and community organizations in support of student learning and well-being</p>
<p>3.0 Programs should include study and experiences, throughout the professional studies sequence, that link child development to elementary school curriculum and instruction.</p>	<p>0001 (OPTE) Student learning and development and learning opportunities that support student intellectual, social, and physical development at all grade levels</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p>
<p>3.1 Study of student’s development through direct, guided observations; focused inquiry through data collection and systematic analysis; self-study of interaction with children, etc.</p>	<p>0001 (OPTE) Student learning and development and learning opportunities that support student intellectual, social, and physical development at all grade levels</p> <p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem</p>

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	<p>solving, and performance and technological skills</p> <p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p>
<p>3.2 Opportunities to understand the integration of physical, social, emotional, and cognitive development from prenatal through adolescence stages.</p>	<p>0001 (OPTE) Student learning and development and learning opportunities that support student intellectual, social, and physical development at all grade levels</p> <p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0003 (OPTE) Application of motivational and behavioral practices to create positive learning environments</p> <p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p>
<p>4.0 Programs should develop the teacher candidates' capacities to organize and implement instruction for students. Programs include:</p>	<p>0001 (OPTE) Student learning and development and learning opportunities that support student intellectual, social, and physical development at all grade levels</p> <p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0003 (OPTE) Application of motivational and behavioral practices to create positive learning environments</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and</p>

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	<p>instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p> <p>0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction</p> <p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p> <p>0009 (OPTE) Student career awareness and application of career concepts to academic curriculum</p>
	<p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p> <p>0011 (OPTE) Comprehension of the “Oklahoma Criteria for Effective Teaching Performance” and its incorporation into instructional strategies</p> <p>0012 (OPTE) Fostering positive interactions with colleagues, families, and community organizations in support of student learning and well-being</p>
<p>4.1 Opportunities to organize and manage varied learning groups in each of the disciplines as appropriate to the needs and/or interests of students and the goals of the lesson.</p>	<p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0003 (OPTE) Application of motivational and behavioral practices to create positive learning environments</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem</p>

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	<p>solving, and performance and technological skills</p> <p>0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction</p>
4.2 Experiences with assessment to:	
<p>4.2.1 select methods of assessment appropriate to each of the disciplines and to the age, development, and characteristics of students,</p>	<p>0001 (OPTE) Student learning and development and learning opportunities that support student intellectual, social, and physical development at all grade levels</p> <p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p>
<p>4.2.2 interpret and communicate assessment results accurately and ethically,</p>	<p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p>
<p>4.2.3 integrate information gained from assessments into instructional plans.</p>	<p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on</p>

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	<p>assessment and reflection</p> <p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p> <p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p>
<p>4.3 Study and experiences in teaching in an interdisciplinary manner and collaborating with specialist teachers, support personnel, and others.</p>	<p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p> <p>0009 (OPTE) Student career awareness and application of career concepts to academic curriculum</p> <p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p> <p>0012 (OPTE) Fostering positive interactions with colleagues, families, and community organizations in support of student learning and well-being</p>
<p>5.0 Programs should include study and application of a variety of developmentally appropriate experiences</p>	<p>0001 (OPTE) Student learning and development and learning opportunities that support student intellectual, social,</p>

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<p>that demonstrate varied approaches to knowledge construction and application in all disciplines. Programs include:</p>	<p>and physical development at all grade levels</p> <p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0004 (OPTE) Comprehension of lifelong learning, making learning enjoyable, and the willingness to change to promote student learning and development</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p> <p>0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction</p> <p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p> <p>0009 (OPTE) Student career awareness and application of career concepts to academic curriculum</p>
	<p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p> <p>0011 (OPTE) Comprehension of the “Oklahoma Criteria for Effective Teaching Performance” and its</p>

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	<p>incorporation into instructional strategies</p> <p>0012 (OPTE) Fostering positive interactions with colleagues, families, and community organizations in support of student learning and well-being</p>
<p>5.1 Systematic observation and practice of activities that stimulate reflective and critical thinking, problem-solving, and decision-making skills within and across disciplines.</p>	<p>0004 (OPTE) Comprehension of lifelong learning, making learning enjoyable, and the willingness to change to promote student learning and development</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p> <p>0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction</p>
<p>5.2 Opportunities to select and use various models for teaching about controversial, problematic, and value-oriented issues.</p>	<p>0001 (OPTE) Student learning and development and learning opportunities that support student intellectual, social, and physical development at all grade levels</p> <p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0004 (OPTE) Comprehension of lifelong learning, making learning enjoyable, and the willingness to change to promote student learning and development</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on</p>

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	<p>assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p> <p>0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction</p>
<p>5.3 Study and experiences for integrating skills across disciplines.</p>	<p>0004 (OPTE) Comprehension of lifelong learning, making learning enjoyable, and the willingness to change to promote student learning and development</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p> <p>0009 (OPTE) Student career awareness and application of career concepts to academic curriculum</p> <p>0012 (OPTE) Fostering positive interactions with colleagues, families, and community organizations in support of student learning and well-being</p>
<p>5.4 Study and experiences for adapting materials, instruction, and assessment methods.</p>	<p>0001 (OPTE) Student learning and development and learning opportunities that support student intellectual, social, and physical development at all grade levels</p> <p>0002 (OPTE) Differing student approaches</p>

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	<p>to learning and instructional opportunities that are adaptable to individual differences</p> <p>0003 (OPTE) Application of motivational and behavioral practices to create positive learning environments</p> <p>0004 (OPTE) Comprehension of lifelong learning, making learning enjoyable, and the willingness to change to promote student learning and development</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p> <p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p>
	<p>0009 (OPTE) Student career awareness and application of career concepts to academic curriculum</p> <p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p> <p>0011 (OPTE) Comprehension of the “Oklahoma Criteria for Effective Teaching Performance” and its incorporation into instructional strategies</p> <p>0012 (OPTE) Fostering positive interactions with colleagues, families, and</p>

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	community organizations in support of student learning and well-being
<p>5.5 Systematic feedback and coaching to increase the intentional and effective use of strategies to promote learning.</p>	<p>0003 (OPTE) Application of motivational and behavioral practices to create positive learning environments</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p> <p>0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction</p> <p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p>
	<p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p> <p>0011 (OPTE) Comprehension of the “Oklahoma Criteria for Effective Teaching Performance” and its incorporation into instructional strategies</p> <p>0012 (OPTE) Fostering positive interactions with colleagues, families, and community organizations in support of student learning and well-being</p>
<p>5.6 Study and experiences in developing students’ study skills and strategies for retrieving, analyzing, interpreting, organizing, evaluating, synthesizing, and communicating information and ideas (e.g., taking notes; using reference materials, graphics, and basic statistics; direct observations; learning the organization of a library;</p>	<p>0004 Study/research skills and strategies</p>

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and interviewing).	
5.7 Study and experience for helping students live productive lives beyond the year 2000.	<p>0004 (OPTE) Comprehension of lifelong learning, making learning enjoyable, and the willingness to change to promote student learning and development</p> <p>This competency is covered throughout the OPTE tests</p>
6.0 Programs should include study and application of current research findings about individual differences.	<p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction</p> <p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p> <p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p>
6.1 Programs should include study and application of current research findings about teaching and learning.	<p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p> <p>This competency is covered throughout the OPTE tests</p>

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<p>6.2 Programs should include study and application of current research findings about culturally and linguistically diverse populations.</p>	<p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction</p> <p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p> <p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p>
<p>6.3 Programs should include study and application of current research findings about students of different ages.</p>	<p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction</p>

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	<p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p> <p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p>
<p>6.4 Programs should include study and application of current research findings about students with exceptionalities.</p>	<p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction</p> <p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p> <p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p>
<p>7.0 Programs should provide a well-planned sequence of varied clinical/field experiences with students of different ages, cultural and linguistic backgrounds, and exceptionalities. These experiences should connect course content with elementary school practice. Programs include:</p>	<p>N/A</p>

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7.1 Opportunities to analyze one's own practice through a variety of data collection techniques (e.g., protocols, tape recordings, study groups, analysis of one's own practice, journal keeping).	N/A
7.2 Clinical/field placements with at least two different age groups (e.g., kindergarten, primary, intermediate) within the range of grade levels for which candidates are being prepared to teach.	N/A
7.3 Clinical/field experiences in the use of a variety of assessment and evaluation methods.	N/A
7.4 Clinical/field placements that include teaching experiences in all content areas normally taught in elementary classrooms.	N/A
7.5 Clinical/field experiences with students of different cultural and linguistic backgrounds and with exceptionalities.	N/A
8.0 Programs include opportunities to study, analyze, and practice effective models of classroom management in campus and field-based settings, and to engage in a gradual increase in responsibility. Programs include:	0003 (OPTE) Application of motivational and behavioral practices to create positive learning environments  0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction
8.1 Practice, feedback, and coaching to help teacher candidates develop appropriate, positive classroom management and discipline skills.	0003 (OPTE) Application of motivational and behavioral practices to create positive learning environments  0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction

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<p>9.0 Programs should provide study and experiences for critically selecting and using materials, resources, and technology appropriate to the age, development level, cultural and linguistic backgrounds, and exceptionalities of students. Programs include:</p>	<p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p> <p>0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction</p> <p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p> <p>0012 (OPTE) Fostering positive interactions with colleagues, families, and community organizations in support of student learning and well-being</p>

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<p>9.1 Practice and feedback in the critical analysis and adaptation of existing materials and technology, as well as in the development of teacher-made materials for students.</p>	<p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p> <p>0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction</p> <p>0012 (OPTE) Fostering positive interactions with colleagues, families, and community organizations in support of student learning and well-being</p>
<p>9.2 Experiences in identifying stereotypes (e.g., cultural, gender, age, etc.) in curriculum materials, and adapting instruction appropriately.</p>	<p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p>

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	<p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p> <p>0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction</p> <p>0012 (OPTE) Fostering positive interactions with colleagues, families, and community organizations in support of student learning and well-being</p>
<p>9.3 Opportunities for practice in matching content, objectives, and teaching behaviors to the selection and analysis of teaching and evaluation materials for students.</p>	<p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p> <p>0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction</p> <p>0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process</p>

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	0012 (OPTE) Fostering positive interactions with colleagues, families, and community organizations in support of student learning and well-being
9.4 Study of criteria and processes for materials selection employed by state agencies, local school districts, and national organizations.	0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills  0008 (OPTE) Assessment strategies to evaluate and modify the teaching/learning process
Programs should provide for in-depth study in at least one academic discipline by including significant course work beyond the introductory level in order to reflect processes of inquiry and research.	0001 The reading process 0002 Phonological skills and strategies related to reading 0003 Word identification and vocabulary development 0004 Reading comprehension 0005 Reading in content areas 0006 Children’s literature and literary response and analysis 0007 Skills and strategies for writing for various purposes 0008 Analyzing, evaluating, and revising written work in relation to its stated purpose 0009 Application of English grammar and mechanics in revising texts 0010 Skills and strategies for listening for various purposes 0011 Skills and strategies for speaking for various purposes

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	<p>0012 Formal and informal mathematical reasoning processes</p> <p>0013 Exploring mathematical ideas and solving problems</p> <p>0014 Mathematical communication and the historical and cultural contexts of mathematics</p> <p>0015 Concepts and application of numbers and numeration</p> <p>0016 Principles and properties of linear algebra</p> <p>0017 Principles and properties of geometry</p> <p>0018 Concepts, principles, skills, and procedures related to measurement, statistics, and probability</p> <p>0019 Interrelationships among the physical and life sciences and connections among science, technology, and society</p> <p>0020 Principles of life science</p> <p>0021 Principles of physical science</p> <p>0022 Communicating scientific information and interpreting natural phenomena</p> <p>0023 Principles and procedures of scientific investigations</p> <p>0024 Major ideas, eras, themes, and developments in the history of Oklahoma, the United States, and the world</p> <p>0025 Geographic concepts and phenomena and their interrelationships with society and culture</p>

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	<p>0026 Concepts and phenomena related to human development and interactions</p> <p>0027 Economic and political principles, concepts, and systems</p> <p>0028 Roles, rights, and responsibilities of United States citizens</p> <p>0029 Skills related to social studies</p> <p>0030 Concepts, techniques, materials, analysis, and cultural dimensions of the visual arts</p> <p>0031 Concepts, techniques, materials, analysis, and cultural dimensions of music</p> <p>0032 Concepts, techniques, materials, analysis, and cultural dimensions of theater and dance</p> <p>0033 Principles and practices of personal, interpersonal, and community health and safety</p> <p>0034 Physical education concepts and practices related to personal well-being</p>
<p>11.0 Programs should develop understandings of positive health behaviors, movement skills, and physical fitness to allow teacher candidates to provide appropriate <b>health education and physical education</b> experiences for students. Programs include study of and experiences with:</p>	<p>0033 Principles and practices of personal, interpersonal, and community health and safety</p> <p>0034 Physical education concepts and practices related to personal well-being</p>
<p>11.1 The structure and function of human movement and motor development in order to implement appropriate physical education experiences for students.</p>	<p>0034 Physical education concepts and practices related to personal well-being</p>

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<p>11.2 The design of learning activities and sequences appropriate for the elementary school physical education and health education curricula.</p>	<p>0033 Principles and practices of personal, interpersonal, and community health and safety</p> <p>0034 Physical education concepts and practices related to personal well-being</p>
<p>11.3 Physical, social, emotional, and intellectual factors which influence health issues and health behaviors.</p>	<p>0033 Principles and practices of personal, interpersonal, and community health and safety</p>
<p>12.0 Programs should prepare teacher candidates to become confident in their ability to do <b>mathematics</b> and to create an environment in which students become confident learners and doers of mathematics. Programs include study of and experiences with:</p>	<p>0012 Formal and informal mathematical reasoning processes</p> <p>0013 Exploring mathematical ideas and solving problems</p> <p>0014 Mathematical communication and the historical and cultural contexts of mathematics</p> <p>0015 Concepts and application of numbers and numeration.</p> <p>0016 Principles and properties of linear algebra</p> <p>0017 Principles and properties of geometry</p> <p>0018 Concepts, principles, skills, and procedures related to measurement, statistics, and probability</p>
<p>12.1 The development of student’s abilities to communicate mathematically through reading, writing, listening and discussing ideas.</p>	<p>0014 Mathematical communication and the historical and cultural contexts of mathematics</p>
<p>12.2 The cultural, historical and scientific applications of mathematics so that students can learn to value mathematics.</p>	<p>0014 Mathematical communication and the historical and cultural contexts of mathematics</p>

NCATE Curriculum Guidelines	CEOE Competencies
12.3 The structuring of classroom activities around making conjectures, gathering evidence and building arguments so that students learn to reason mathematically.	0012 Formal and informal mathematical reasoning processes
12.4 The construction of the meaning of numeration and the development of number sense.	0015 Concepts and application of numbers and numeration
12.5 The construction and exploration of models of estimation strategies for numbers, operations and measurement.	0013 Exploring mathematical ideas and solving problems
12.6 The development of activities to explore the geometry of one, two and three dimensions so that students can visualize and represent geometric figures and understand and apply spatial relationships.	0017 Principles and properties of geometry
12.7 The process of developing measurement and related concepts.	0018 Concepts, principles, skills, and procedures related to measurement, statistics, and probability
12.8 The use of various kinds of calculators and other technologies as teaching tools for computation, problem solving, and explorations.	0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection  0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills  0007 (OPTE) Effective communication techniques fostering classroom inquiry, collaboration, and supportive interaction

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<p>12.9 The use of concrete manipulative materials in the classroom.</p>	<p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p>
<p>13.0 Programs in the area of students' literacy development should be designed to help teacher candidates create experiences for their students in <b>reading, writing and oral language</b>. These programs should stress the integration of reading, writing and oral language with each other and with the content areas of the elementary school curriculum. Programs include study of and experiences with:</p>	<p>0001 The reading process</p> <p>0002 Phonological skills and strategies related to reading</p> <p>0003 Word identification and vocabulary development</p> <p>0004 Reading comprehension</p> <p>0005 Reading in content areas</p> <p>0006 Children's literature and literary response and analysis</p> <p>0007 Skills and strategies for writing for various purposes</p> <p>0008 Analyzing, evaluating, and revising written work in relation to its stated purpose</p> <p>0009 Application of English grammar and mechanics in revising texts</p> <p>0010 Skills and strategies for listening for various purposes</p> <p>0011 Skills and strategies for speaking for various purposes</p>

NCATE Curriculum Guidelines	CEOE Competencies
13.1 The cognitive and linguistic foundations of literacy development in students.	0001 The reading process 0002 Phonological skills and strategies related to reading
13.2 Ways of promoting vocabulary growth in students.	0003 Word identification and vocabulary development
13.3 The flexible use of a variety of strategies for recognizing words in print.	0001 The reading process 0002 Phonological skills and strategies related to reading 0003 Word identification and vocabulary development
13.4 Teaching of the conventions of language needed to compose and comprehend oral and written texts (e.g., text structure, punctuation, spelling).	0001 The reading process 0009 Application of English grammar and mechanics in revising texts
13.5 The strategies readers can use to discover meaning from print and to monitor their own comprehension.	0001 The reading process 0002 Phonological skills and strategies related to reading 0003 Word identification and vocabulary development 0004 Reading comprehension 0005 Reading in content areas
13.6 The ways listening, speaking, reading and writing relate to each other and to the rest of the elementary curriculum.	0001 The reading process 0005 Reading in content areas

NCATE Curriculum Guidelines	CEOE Competencies
<p>13.7 Identifying and developing appropriate responses to differences among language learners (e.g., linguistic, sociocultural, intellectual, physical).</p>	<p>0001 (OPTE) Student learning and development and learning opportunities that support student intellectual, social, and physical development at all grade levels</p> <p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p>
<p>13.8 Communicating with parents concerning the school language program and developmentally appropriate language experiences at home.</p>	<p>0010 (OPTE) Effects of teacher choices and actions on students, parents, and professionals, the modification of these actions, and promotion of continued professional growth</p> <p>0012 (OPTE) Fostering positive interactions with colleagues, families, and community organizations in support of student learning and well-being</p>
<p>13.9 Speaking and writing which vary in form subject, purpose, audience, point of view, tone, and style.</p>	<p>0007 Skills and strategies for writing for various purposes</p> <p>0008 Analyzing, evaluating, and revising written work in relation to its stated purpose</p> <p>0011 Skills and strategies for speaking for various purposes</p>
<p>13.10 Ways to promote reading, writing and oral language for personal growth, lifelong learning, enjoyment and insight into the human experience.</p>	<p>0004 Reading comprehension</p> <p>0005 Reading in content areas</p> <p>0006 Children’s literature and literary response and analysis</p> <p>0007 Skills and strategies for writing for various purposes</p> <p>0010 Skills and strategies for listening for various purposes</p> <p>0011 Skills and strategies for speaking for various purposes</p>

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<p>13.11 The literature of childhood including (a) knowing a range of books, (b) knowing how to share literature with students and (c) knowing how to guide students to respond to books in a variety of ways.</p>	<p>0006 Children’s literature and literary response and analysis</p>
<p>13.12 Promoting creative thinking and expression, as through storytelling, drama, choral/oral reading, imaginative writing, etc.</p>	<p>0006 Children’s literature and literary response and analysis</p> <p>0007 Skills and strategies for writing for various purposes</p> <p>0011 Skills and strategies for speaking for various purposes</p>
<p>14.0 Programs in <b>science</b> for teacher candidates should focus on academic, personal, social, and career applications of the biological, earth, and physical sciences and should develop skills in instruction to promote these understanding and positive attitudes among students and youth. Programs include study of and experiences with:</p>	<p>0019 Interrelationships among the physical and life sciences and connections among science, technology, and society</p> <p>0020 Principles of life science</p> <p>0021 Principles of physical science</p> <p>0022 Communicating scientific information and interpreting natural phenomena</p> <p>0023 Principles and procedures of scientific investigations</p>
<p>14.1 Each of the biological, earth, and physical sciences so the science can be viewed as an integrated discipline.</p>	<p>0019 Interrelationships among the physical and life sciences and connections among science, technology, and society</p> <p>0020 Principles of life science</p> <p>0021 Principles of physical science</p>

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<p>14.2 The social, personal, and career applications of science along with more traditional knowledge.</p>	<p>0019 Interrelationships among the physical and life sciences and connections among science, technology, and society</p> <p>0009 (OPTE) Student career awareness and application of career concepts to academic curriculum</p>
<p>14.3 The use of inductive and deductive strategies that involve scientific investigation, interpretation of findings, and communication of results.</p>	<p>0019 Interrelationships among the physical and life sciences and connections among science, technology, and society</p> <p>0020 Principles of life science</p> <p>0021 Principles of physical science</p> <p>0022 Communicating scientific information and interpreting natural phenomena</p> <p>0023 Principles and procedures of scientific investigations</p>
<p>14.4 Developing and carrying out hands-on instruction that leads to more meaningful learning, promotes positive attitudes toward science and enables pupils to solve practical problems.</p>	<p>0001 (OPTE) Student learning and development and learning opportunities that support student intellectual, social, and physical development at all grade levels</p> <p>0002 (OPTE) Differing student approaches to learning and instructional opportunities that are adaptable to individual differences</p> <p>0003 (OPTE) Application of motivational and behavioral practices to create positive learning environments</p> <p>0004 (OPTE) Comprehension of lifelong learning, making learning enjoyable, and the willingness to change to promote student learning and development</p>

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	<p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p>
<p>14.5 A sequence of teaching related field experiences, such as classroom observation, microteaching, and student teaching, in which students use science instructional strategies such as teaching and managing hands-on investigations.</p>	<p>N/A</p>
<p>15.0 Programs should prepare teacher candidates to translate knowledge and data-gathering processes from history and the social sciences into appropriate and meaningful <b>social studies</b> experiences for students. Programs include study of and experiences with:</p>	<p>0024 Major ideas, eras, themes, and developments in the history of Oklahoma, the United States, and the world</p> <p>0025 Geographic concepts and phenomena and their interrelationships with society and culture</p> <p>0026 Concepts and phenomena related to human development and interactions</p> <p>0027 Economic and political principles, concepts, and systems</p> <p>0028 Roles, rights, and responsibilities of United States citizens</p> <p>0029 Skills related to social studies</p>

NCATE Curriculum Guidelines	CEOE Competencies
<p>15.1 The selection, integration, and translation of knowledge and methodology from history and social science disciplines to knowledge, processes and activities appropriate to students. These social science disciplines should include anthropology, economics, geography, political science, psychology, and sociology.</p>	<p>0024 Major ideas, eras, themes, and developments in the history of Oklahoma, the United States, and the world</p> <p>0025 Geographic concepts and phenomena and their interrelationships with society and culture</p> <p>0026 Concepts and phenomena related to human development and interactions</p> <p>0027 Economic and political principles, concepts, and systems</p> <p>0028 Roles, rights, and responsibilities of United States citizens</p> <p>0029 Skills related to social studies</p> <p>0001 (OPTE) Student learning and development and learning opportunities that support student intellectual, social, and physical development at all grade levels</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p>
<p>15.2 Strategies for teaching students to use a wide variety of data sources, including direct observation, artifacts/regalia, graphics, literature, and art.</p>	<p>0029 Skills related to social studies</p>

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<p>15.3 Democratic processes, including civic participation, and strategies for teaching students about democratic institutions and processes, within the context of a multicultural society.</p>	<p>0027 Economic and political principles, concepts, and systems</p> <p>0028 Roles, rights, and responsibilities of United States citizens</p>
<p>15.4 The development of strategies to promote a global perspective.</p>	<p>0024 Major ideas, eras, themes, and developments in the history of Oklahoma, the United States, and the world</p> <p>0025 Geographic concepts and phenomena and their interrelationships with society and culture</p> <p>0026 Concepts and phenomena related to human development and interactions</p> <p>0027 Economic and political principles, concepts, and systems</p>
<p>15.5 Guided and independent field experiences such as classroom observations, microteaching, and student teaching, in which prospective elementary school teachers apply general and unique elementary social studies instructional strategies, including inquiry.</p>	<p>N/A</p>
<p>16.0 Programs should prepare teacher candidates to translate knowledge of and experience in the <b>visual and performing arts</b> into appropriate experiences for students. Programs include study of and experiences with:</p>	<p>0030 Concepts, techniques, materials, analysis, and cultural dimensions of the visual arts</p> <p>0031 Concepts, techniques, materials, analysis, and cultural dimensions of music</p> <p>0032 Concepts, techniques, materials, analysis, and cultural dimensions of theater and dance</p>

<b>NCATE Curriculum Guidelines</b>	<b>CEOE Competencies</b>
<p>16.1 The styles and modes of visual and performing arts across cultures and from various periods of history.</p>	<p>0030 Concepts, techniques, materials, analysis, and cultural dimensions of the visual arts</p> <p>0031 Concepts, techniques, materials, analysis, and cultural dimensions of music</p> <p>0032 Concepts, techniques, materials, analysis, and cultural dimensions of theater and dance</p>
<p>16.2 The identification and appreciation of quality visual, musical, dance, and dramatic production.</p>	<p>0030 Concepts, techniques, materials, analysis, and cultural dimensions of the visual arts</p> <p>0031 Concepts, techniques, materials, analysis, and cultural dimensions of music</p> <p>0032 Concepts, techniques, materials, analysis, and cultural dimensions of theater and dance</p>
<p>16.3 The production/performance of the arts (e.g., vocal, instrumental, theatrical, dance, visual).</p>	<p>0030 Concepts, techniques, materials, analysis, and cultural dimensions of the visual arts</p> <p>0031 Concepts, techniques, materials, analysis, and cultural dimensions of music</p> <p>0032 Concepts, techniques, materials, analysis, and cultural dimensions of theater and dance</p>

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<p>16.4 The incorporation of visual and performing arts in the curriculum through direct teaching and/or the use of high quality media.</p>	<p>0030 Concepts, techniques, materials, analysis, and cultural dimensions of the visual arts</p> <p>0031 Concepts, techniques, materials, analysis, and cultural dimensions of music</p> <p>0032 Concepts, techniques, materials, analysis, and cultural dimensions of theater and dance</p> <p>0005 (OPTE) Application of curriculum goals, the educational process, subject matter, student ability, and the community to instruction, and adaptation of instruction based on assessment and reflection</p> <p>0006 (OPTE) Curriculum integration and instructional strategies to encourage student critical thinking, problem solving, and performance and technological skills</p>