

EASTERN CONNECTICUT STATE UNIVERSITY EDUCATION UNIT CONCEPTUAL FRAMEWORK

Revised Fall 2008

Introduction and Overview

Eastern Connecticut State University has a long tradition in teacher preparation that has focused on continuous evidence-based teacher education to improve student achievement. Eastern Connecticut State University's Education Unit is founded on a conceptual framework that is research-based and regularly evaluated and revised to reflect changes in philosophical underpinnings, national trends, state regulations, curriculum development, and the needs of public schools in Connecticut and the nation. The first section of this document describes the development of the conceptual framework. It then presents the vision and mission of the institution and the Unit and articulates the Unit's philosophy, purposes, and goals together with knowledge bases, including theories, research, the wisdom of practice, and education policies. Also, candidate proficiencies are clearly articulated and aligned with the expectations in institutional, state and professional standards. The final section of the document presents the assessment guidelines for determining candidate proficiency.

Development of the Conceptual Framework

The Education Unit's conceptual framework is a living document, which began as a statement of goals of the Education Department and the Health and Physical Education Department in 1992 and was further refined in 1996 and 2001 in order to address the new demands, challenges, and changes, particularly brought by technological advancements and diversity in PK-12 schools. In 2001, the Unit developed a conceptual framework that represented four major themes: diversity, learner-centered instructional methods, constructivism, and infusion of technology. This was submitted to National Council for Accreditation of Teacher Education (NCATE) as a precondition document. The document was thoroughly revised throughout 2002, and was shared with colleagues in arts and sciences departments and the public schools, which have a professional development relationship with Eastern Connecticut State University. Because their comments were carefully considered in the development and refinement of the conceptual framework, it is a product of collaborative efforts among faculty members in the Education Unit as well as colleagues in arts and science and PK-12 schools. In the last couple of years, members of the Unit have provided feedback to make the conceptual framework clearer, concise, and measurable. To address the feedback and the new changes taking place at the Unit and the University, the conceptual framework was revised and accepted by the Education Unit on September 4, 2008. The new revision reflects the following changes:

- Adaptation of the University's new mission statement and strategic planning
- Refinement of candidate proficiencies to make them measurable
- Refinement of the Unit assessment system and data collection
- Adaptation of new theories, standards, and technology, and references associated with them

In order to make it widely available, the revised conceptual framework is yearly circulated to all the faculty members in the Unit including adjunct faculty members, colleagues in the arts and sciences, and PK-12 schools as well as teacher candidates enrolled in all programs.

The Vision and Mission of the Institution and the Unit

Eastern Connecticut State University's mission is firmly grounded in a vision of and commitment to learning environments in which *all* learners have access to educational opportunities and experiences that enable them to achieve their highest potential. It states:

Within the Connecticut State University System, Eastern Connecticut State University is the State's designated public liberal arts college. As a predominantly undergraduate institution, Eastern attracts and welcomes a diverse community of learners, supported by a teaching faculty, staff, administrators, and a residential campus, all of which promote intellectual curiosity, integrity, and social responsibility.

Eastern's commitment to a liberal arts education is exemplified in its liberal arts core curriculum, a sequenced, interdisciplinary program that all students share, independent of their majors and career aspirations. In its role as a public university, Eastern develops students who can become productive, engaged community leaders. Eastern also serves as a social, cultural, and economic catalyst for the region and the State of Connecticut.

(Eastern Connecticut State University Strategic Plan 2008-2013)

Consistent with the University mission as a liberal arts institution, the School of Education/Professional Studies and Graduate Division builds on a strong foundation in liberal arts and offers a variety of academic programs and experiences for students to acquire the skills, knowledge, attitudes, and values necessary for successful performance in the professions. As a community of scholars and teachers, the Education Unit is committed to providing an excellent educational opportunity for *all* students to meet the challenge of a complex and rapidly changing society in the 21st Century. Both the University and the Education Unit emphasize a student-centered learning environment and its ability to foster intellectual integrity, academic rigor, cultural diversity, and social responsibility. In this tradition, the Unit has developed the following mission:

The mission of the Education Unit at Eastern Connecticut State University is to prepare reflective, responsive, professional practitioners who can effectively enhance students' learning and development, support parents and families, and advocate for best practice in diverse educational environments.

The Unit is committed to:

- Building knowledge upon students' experience, which leads to learner-centered practice;
- Instilling an appreciation of individuality and multiculturalism within a national and global context;
- Creating and adapting general education environments for all learners, including those with exceptionalities;
- Developing open-minded, reflective problem solvers who are lifelong learners;
- Student-centered, teacher-facilitated instruction and authentic assessment that meld traditional and technology-enhanced approaches;
- Advocacy for children; and
- Fostering family and community involvement.

(*Eastern Connecticut State University Teacher Candidates and Cooperating Teachers Handbook*, 2008, p. 3)

The Unit's Philosophy, Purposes, Goals, and Professional Commitments

Eastern's academic program provides students with a strong foundation in the liberal arts and a solid knowledge of an academic discipline or preparation in a profession. Students are encouraged to make connections across the curriculum and to achieve an effective balance between individual and collaborative efforts. Current technologies are incorporated in teaching, learning, and research activities. The Education Unit believes that a strong professional preparation program with emphasis on liberal arts education, solid content and pedagogical knowledge, progressively complex clinical experiences in diverse PK-12 school settings, student-centered environment, and positive dispositions such as caring, compassion, and a desire to grow, prepares educators who can contribute positively to achieve the goals of PK-12 schools as well as advance the field of education by promoting educational change for the welfare of students. Both through formal course work and clinical experiences teacher candidates are prepared to work in diverse public school settings and are ready to make a difference in the lives of PK-12 students. Consistent with Dewey (1916, 1938), the Unit is committed to preparing teachers who can work as change agents in an increasingly complex and diverse society.

The core theme of the Unit philosophy and conceptual framework is constructivist learner-centered epistemology with emphasis on inquiry, reflection, and collaboration (Null, 2004; Richardson, 2003; Windschitl, 2002). Surrounding this core are six critical strands-- content knowledge, pedagogical knowledge, integration of knowledge, infusion of educational technology, diversity, and professionalism. All of these strands are deeply interconnected with institutional, state, and national standards including *Connecticut Common Core of Teaching* (CCCT), Interstate New Teacher Assessment and Support Consortium (INTASC) principles, National Board for Professional Teaching Standards (NBPTS) core propositions, and national professional organization standards developed by the American Alliance for Health, Physical Education, Recreation, and Dance (AAHPERD)/National Association for Sport and Physical Education (NASPE), Association for Childhood Education International (ACEI), Council for Exceptional Children (CEC), Council of Learned Societies in Education (CLSE), International Reading Association (IRA), International Society for Technology in Education (ISTE), National Association for the Education of Young Children (NAEYC), National Council for the Social Studies (NCSS), National Council of Teachers of English (NCTE), National Council of Teachers of Mathematics (NCTM), and National Science Teachers Association (NSTA). The conceptual framework, which is graphically shown in Figure 1, focuses on the preparation of educators who are knowledgeable, reflective, analytical, enthusiastic, and caring about the welfare and education of all children. Provided below are the knowledge bases, including theories, research, the wisdom of practice, and education policies embedded in the Education Unit's conceptual framework.

Knowledge Bases Including Theories, Research, the Wisdom of Practice, and Education Policies

The knowledge bases for the Education Unit's conceptual framework include both theoretical and empirical research, discipline inquiry, and wisdom of practice as reflected in Eastern Connecticut State University and the Unit's mission statement. As shown in Figure 1, the

Unit's conceptual framework is founded on constructivist learner-centered epistemology with emphasis on inquiry, reflection, and collaboration.



Figure 1. Eastern Connecticut State University Education Unit's Conceptual Framework

Constructivist Learner-Centered Epistemology

Constructivist learner-centered epistemology, an educational focus in the last century, continues into the 21st Century. This epistemology is grounded on progressive philosophy of John Dewey (1916, 1938), cognitive and developmental perspectives of Jean Piaget (1961, 1973), and sociocultural views advanced by Lev Vygotsky (1930/1978, 1962). According to this philosophy, "construction of knowledge is self-regulated; learners construct theories about the world that are challenged by external events which lead to changes in those personal theories" (Kroll & LaBoskey, 1996, p. 63). According to Mosenthal and Ball (1992), learning is "the autonomous act of constructing and revising knowledge of the subject matter" and teaching is "the act of guiding the learner in inquiry that leads to the (re)construction of knowledge" (p. 348). This construction and reconstruction of knowledge is not possible without inquiry, reflection, and collaboration on the part of the learner as well as the teachers. Specifically, Holt-Reynolds (2000) states, "the constructivist pedagogies that are increasingly part of teacher education course work and expectations emerge from an intellectual world where knowledge is seen as created rather than received, mediated by discourse rather than transferred by teacher talk, explored and transformed rather than remembered as a uniform set of positivistic ideas" (p. 21).

Eastern teacher candidates learn about, and are able to apply, the principles of all major development theories (e.g., Bandura, 1986; Ormrod, 2008; Piaget & Inhelder, 1969). However, they acquire a particularly in-depth understanding of constructivist theory – a belief system that, arguably, best informs developmentally appropriate practice. By the end of the program, students are able to articulate and apply both Piagetian theory and the social-cultural perspectives of Vygotsky. Teacher candidates are prepared to make classroom decisions and navigate teaching situations based on these theoretical frameworks. They are able to design and implement activities and materials and to create classroom environments, which encourage students to actively construct knowledge. Candidates acquire an ability to scaffold student learning and social interactions, through question asking, modeling, hint giving, verbal elaboration, and encouragement (Trawick-Smith, 2009).

The teacher preparation program prepares teacher candidates to create school communities in which PK-12 students learn through active, collaborative inquiry. Faculty demonstrate constructivist approaches in their own teaching using simulations, role playing, guided observation of students and teachers, individual and group projects, open-ended questioning, and journaling. Teacher candidates also come to understand constructivism by applying the theories and philosophies of constructivism to their analysis of the learning during their multiple field placements. The Education Unit recognizes the need for teacher candidates to experience diverse classrooms to enable students to actively engage in “error-filled experimentation” (DeVries, 2004), without risk, and analyze these experiences to create meaningful learning opportunities. These meaningful clinical experiences help all candidates to cope with teaching dilemmas/ethical issues (Katz & Raths, 1992) and develop sophisticated epistemology (Schömmer & Walker, 1995) to refine their teaching beliefs (Nicol, 1999).

Surrounding the constructivist learner-centered epistemology are six critical strands in the profession that are woven through all experiences and courses and tie the program together in a coherent whole.

1. Content Knowledge (CNK)
2. Pedagogical Knowledge (PDK)
3. Integration of Knowledge (INT)
4. Technology as a Tool to Teach (TTT)
5. Diversity (DIV)
6. Professionalism (PRF)

Content Knowledge (CNK). Lee Shulman, past president of the Carnegie Foundation for the Advancement of Teaching and an emeritus professor at Stanford University, has argued that teachers require both content and pedagogical knowledge in teacher preparation programs. According to Shulman (1986), content knowledge is the knowledge gained by understanding facts, concepts, procedures, and structures of the discipline. Therefore, teachers need to be competent in the content they are teaching. In Windschitl’s (2002) words: “Although all instructional approaches require some knowledge of subject matter to be taught, constructivist approaches, in which children’s varied interests and experiences in relation to a subject are involved, demand an even more extensive content background” (p. 148). This belief that a good constructivist teacher is, first and foremost, a learned one is instrumental in shaping the disciplines of inquiry in the teacher preparation program at Eastern.

Teacher candidates at Eastern gain expertise in their field by majoring in content areas (e.g., arts, biology, English, health and physical education, history, mathematics, psychology, sociology) primarily in the School of Arts and Sciences. All teacher candidates in the Unit are expected to demonstrate not only a depth of competence and structure of the discipline in a particular content area, but are also expected to develop skills and dispositions which are essential for critical thinking and problem solving required for an education professional. The University mission as a liberal arts institution supports a broad knowledge across domains in the courses required in the Liberal Arts Core (LAC). Throughout each program, teacher candidates get opportunities to develop an in-depth conceptual understanding of the content, make interdisciplinary connections, develop an appreciation of multiple perspectives of content knowledge, become enthusiastic about their discipline, and become involved in the professional community of educators with a desire to learn and grow professionally.

Pedagogical Knowledge (PDK). Pedagogical knowledge includes both pedagogical content knowledge and professional knowledge. Shulman (1986) defines pedagogical content knowledge as the knowledge of subject matter as it pertains to teaching. It includes "the most regularly taught topics in one's subject area, the most useful forms of representation of those ideas, the most powerful analogies, illustrations, examples, explanations, and demonstrations" (p. 9). When a piece of content knowledge is represented with manipulatives to help students understand the content, then the content knowledge embedded in the form of manipulatives is pedagogical content knowledge. Pedagogical knowledge also includes professional knowledge such as teachers' ability to understand and implement pedagogical techniques such as "cooperative grouping, effective instruction, questioning and discussion strategies" (Mosenthal & Ball, 1992, p. 347). Shulman and other educators contend that the development of pedagogical knowledge for a constructivist student-centered learning environment requires a deep and flexible understanding of content knowledge (Katz & Raths, 1992; Nicol, 1999; Windschitl, 2002) and the quality of pedagogical knowledge held by teacher candidates very much depends on their understanding of content knowledge. Both kinds of knowledge interact with each other in teaching.

Teacher candidates at Eastern learn pedagogical knowledge in courses taught in the Education Unit. The pedagogical knowledge helps teacher candidates to decide how they plan, evaluate, reflect, and adjust their teaching. The course work, clinical experiences, and student teaching emphasize the development of pedagogical knowledge in their chosen content area, which assures that teacher candidates at Eastern are able to integrate knowledge of human development, classroom management, structure of content knowledge, effective instruction, and student assessment as outlined in the *Connecticut Common Core of Teaching* and specialized professional associations' expectations of a teacher. Consistent with dispositions required for constructivist learner-centered classrooms, teacher candidates at Eastern are expected to appreciate individuality and demonstrate flexibility in planning, teaching, assessing, and adjusting their instruction.

Integration of Knowledge (INT). A large amount of literature is available in the area of knowledge integration (Mason, 1996; Reinke & Moseley, 2002). In this conceptual framework, integration of knowledge is viewed in three different forms. First, for teachers to be well prepared, it is important that they can integrate content knowledge and pedagogical knowledge. Second, teacher candidates should be able to understand interdisciplinary connections in order to help PK-12 students construct relationships in knowledge across all content areas. Third, it is

essential that teacher candidates connect theory and practice through clinical experiences. They must have the opportunity to implement learning theories, principles, and skills they learn at the university setting in PK-12 schools.

The Unit emphasizes all three forms of integration. As mentioned above the integration of content knowledge and pedagogical knowledge is at the heart of Eastern's professional teacher preparation program. In the same way, the Unit believes that any form of human knowledge is fundamentally interconnected. Team learning and team teaching are the primary modes of instruction in many of the teacher education courses. Candidates are required to design lessons and units that strongly demonstrate their understanding of interdisciplinary connections among various content areas (e.g., English, history/social studies, mathematics, and science). Finally, integration of theory and practice is an integral part of Eastern's teacher preparation program. All candidates at Eastern are required to apply educational theories and practices they learn in their college course in diverse PK-12 classrooms during their clinical experiences. These experiences enhance their understanding of educational theories in practice, narrowing the gap between theory and practice. All teacher candidates at Eastern have the opportunity to reflect upon and inquire about how integration is critical in human life and how it helps students to be intrinsically motivated to learn the content and tools of inquiry in various disciplines. As a result, they develop an appreciation of how different disciplines are connected to each other, how theory drives practice, and how practice informs theory, even though at times integration is difficult.

Technology as a Tool to Teach (TTT). Prominent in educational technology's curricular foundations is the work of Papert (1993) on the use of computer programming to enhance critical thinking and social interactions in the classroom. Other educators focus on the particular discipline and curricular applications of technology to enhance developmentally appropriate instruction and on the strength of the productivity tools used by students to construct their own knowledge and research (Coiro et al., 2008; Holmes & Gardner, 2006; International Society for Technology in Education, 2007; Roblyer, 2006; Solomon & Schrum, 2007).

The Unit heavily emphasizes the infusion of educational technology in curriculum design and instructional practice. It rests on the literature of instructional design, computer applications in the classroom, and constructivist uses of technology to enhance learning. Teacher candidates are encouraged to present content to students in clear and compelling ways and to integrate technology appropriately. The Education Unit includes specific technology-related coursework and supports each faculty member infusing appropriate technology in instruction and candidate activities.

Diversity (DIV). Bronfenbrenner's (1995) ecological model furnishes a useful framework for the study of diversity in educational settings. His ecology for human development supports the systematic study of the complexity of diversity and methods for supporting the learning and well being of all students. Diversity also includes the need to tailor teaching to reflect the existence of multiple intelligences (Gardner, 1999), cognitive learning styles (Ormrod, 2008) and psychobiological aspects of learning. The knowledge base that supports the Education Unit's commitment to diversity in the classroom also includes research and writing on multicultural perspectives (Banks & Banks, 1995; Trawick-Smith, 2009), culturally responsive teaching (Gay, 2002; Villegas & Lucas, 2002), gender (Jobe, 2003; Taylor & Lorimer 2003), and developmentally appropriate classrooms, human exceptionality, and at-risk and advanced students (Bredenkamp & Copple, 1997; McLaren, 2007; Rury, 2005).

The Unit is fully committed to the belief that teacher preparation programs must include strong emphasis on the development of knowledge, and ability to integrate that knowledge to support the learner for a diverse learning community. Consequently, diversity is addressed throughout all components of the graduate and undergraduate teacher education program. The Education Unit's conception of diversity includes the variables race, ethnicity, color, national origin, age, sex, sexual orientation, religion, socioeconomic status, language, culture and exceptionalities (including learning and physically disabled and gifted) in education. The Unit views education to "make a difference in the lives of children, regardless of background, and to help produce citizens who can live and work productively in increasingly dynamic and complex societies" (Fullan, 1993, p. 36). To that end, the Unit embraces an inclusive approach to learning and teaching that mandates working equitably and sensitively with all students, and respecting diversity as it affects the individual learner.

The Unit's programs also focus on the integration of children with special needs within *regular* classroom settings. Two fundamental assumptions underlie this theme: special services should be delivered, whenever possible, within regular classrooms and teachers should play a primary role in the process, and developmentally appropriate practices and those that support the learning and development of children with special needs are interrelated, mutually supportive, and, in many cases, the same. Adapting to the instructional needs of all students is integrated into all courses in the Education Unit.

Professionalism (PRF). Professionalism is deeply associated with the values of democratically ordered classrooms and education settings, consensual decision making, and collaborative practices (Dewey, 1916; Goodlad, Sirotnik, & Soder, 1990; Fullan, 1993). Teaching from a professional perspective is essentially an inquiry-based, reflective, and collaborative activity (Schon, 1987; Windschitl, 2002) within a sociocultural context. A professional not only knows content and pedagogical knowledge but demonstrates enthusiasm, habits of mind, and a sense of caring. Caring has to do with the individual learner – his/her strengths, needs, and affect - in harmony with cognitive growth. Caring teachers ensure that learning occurs for all students. They facilitate learner investigation, focusing on learner strengths, attitudes, and the further development of knowledge and abilities. The affective function of instruction pertains to emotion – motivation, moral/aesthetic sensibilities, and capacity for feeling concern, attachment/detachment, sympathy, empathy, and appreciation.

This strand represents the Unit's belief that educators and teacher candidates must demonstrate the qualities and dispositions expected of professionals. Teacher candidates are required to be motivated, have excellent communication skills, and collaborate with colleagues, parents, and family to improve learning and teaching in classrooms. As outlined in INTASC principles and the *Connecticut Common Core of Teaching*, teacher candidates at Eastern are expected to develop an ability to create and organize positive classroom environments that maximize learning while promoting independence, social competence, and a positive self-concept. They are expected to regularly reflect on their own professional practice, seek guidance from colleagues and mentors for their own personal and professional growth, and, eventually, take leadership in educational change.

Candidate Proficiencies, Including a Description of Their Alignment with the Expectations in Professional, State, and Institutional Standards

As stated in the knowledge base of this conceptual framework, the teacher preparation program at Eastern Connecticut State University uses six criteria/critical strands to assess candidates' proficiencies. These strands are content knowledge, pedagogical knowledge, integration, technology, diversity, and professionalism. These strands are broken down into several proficiencies/competencies so that candidate performance can be accurately measured.

1: Content Knowledge (CNK)

- 1.1 Candidates/Graduates demonstrate in-depth understanding of content knowledge including central concepts, principles, skills, tools of inquiry, and structure of the discipline(s) by engaging students through meaningful questions and learning experiences.

2: Pedagogical Knowledge (PDK)

- 2.1 Candidates/Graduates are able to formulate developmentally appropriate learning goals and objectives for students based upon knowledge of subject matter, students, the community, curriculum goals (both state and national), and theories of human development, and to plan and implement instructional activities which foster individual and collective inquiry, critical thinking, and problem solving to facilitate learning for all students in a safe and nurturing environment.
- 2.2 Candidates/Graduates use methods, activities, and grouping arrangements appropriate for lesson goals and objectives in an environment that is conducive to learning.
- 2.3 Candidates/Graduates conduct learning activities in a logical sequence and respond to the developmental needs, interests, ability, and background of students to promote their development of critical thinking, independent problem-solving, and collaborative inquiry.
- 2.4 Candidates/Graduates use multiple forms of assessment to evaluate student learning and modify instruction as appropriate to ensure the continuous intellectual, social, ethical, and physical development of the learner.

3: Integration of Knowledge (INT)

- 3.1 Candidates/Graduates demonstrate how different concepts, themes, and principles are interconnected within and across the discipline(s) and promote connections between content knowledge and pedagogical knowledge to help students learn concepts, principles, skills, tools of inquiry, and structure of the discipline(s) they teach.
- 3.2 Candidates/Graduates demonstrate an ability to integrate learning theories and other pedagogical knowledge in their clinical experiences and student teaching.

4: Technology as a Tool to Teach (TTT)

- 4.1 Candidates/Graduates integrate appropriate digital and non-digital technology throughout their courses and clinical experiences to support student learning.

5: Diversity (DIV)

- 5.1 Candidates/Graduates demonstrate their ability to support the diverse needs of students in terms of exceptionalities, race, ethnicity, gender, culture, and socioeconomic status.

6: Professionalism (PRF)

- 6.1 Candidates/Graduates collaborate with cooperating teachers, other teachers, school administrators and other school professionals, parents, families, and communities in a professional and ethical manner to help students reach their maximum potential.

The majority of proficiencies listed above are knowledge and/or skills. It is important to note that dispositions are integrated throughout these proficiencies. All of these six critical strands and associated proficiencies/competencies are aligned with institutional, state, and national standards including the standards of CCCT, INTASC, NBPTS, and NCATE. Table 1 presents this alignment.

Table 1. Alignment of Unit’s Conceptual Framework with State and Professional Standards

Eastern’s Conceptual Framework	CCCT	INTASC Principles	NBPTS Propositions	NCATE Standards
CNK	Content 3, 4	Principle 1, 7	Proposition 2	1a, 1b, 1e
PDK	Students 1, 2; Pedagogy 5, 6; Planning 1, 2; Instructing 3, 4, 5, 6; Assessing and Adjusting 7	Principle 1-10	Proposition 1, 2, 3	1b, 1c, 1d, 1e, 1f, 1g, 3a, 3b, 3c
INT	Content 3,4; Planning 1, 2	Principle 1, 4, 7,	Proposition 1, 2, 3	1a, 1b, 3a
TTT	Instructing 5	Principle 6	Proposition 4	1a, 1b, 1e, 3c
DIV	Students 2; Pedagogy 6; Professional and Ethical Practice 1, 2	Principle 3, 5, 7, 8	Proposition 1, 3, 4	1g, 3c, 4a, 4b, 4c, 4d
PRF	Professional and Ethical Practice 1, 2; Reflection and Continuous Learning 3, 4; Leadership and Collaboration 5, 6	Principle 7, 9, 10	Proposition 3, 4, 5	1g, 3c, 4d

In addition to the alignment shown in Table 1, faculty in their respective disciplines have aligned these six critical strands with specialized professional association standards, namely AAHPERD/NASPE, ACEI, CEC, CLSE, IRA, ISTE, NAEYC, NCSS, NCTE, NCTM, and NSTA. These strands have also been aligned with major professional publications associated in these respective fields, for example early childhood education (Bredekamp & Copple, 1997), elementary education (Crawford & Burris, 2002), physical education (NASPE, 1995a, 1995b), science (NRC, 1996), history/social studies (NCSS, 1994), mathematics (NCTM, 2000), and reading/language arts (NCTE/IRA, 1996; IRA, 2003). These six strands are also reflected in courses taught in the Unit including clinical experiences and student teaching. Each teacher preparation program at Eastern Connecticut State University is fully aligned with the conceptual framework.

A Description of the System by Which Candidate Performance is Regularly Assessed

At Eastern, candidate performance is regularly assessed using assessment tools and techniques at different transition points. The data collected through these assessment tools and techniques are analyzed, synthesized, interpreted, and reported to improve programs and the Unit. Table 2 depicts the assessment system currently in place, with five transition points: entry/pre-admission, mid-point/pre-student teaching, student teaching, exit/certification completion, and post-certification. The transition points consist of both formative and summative evaluation methods. Table 2 shows that the Unit has a clear and coherent assessment system to evaluate candidate proficiencies.

Table 2. Unit's Assessment System Schema

Transition Point	What (critical strand) is assessed?	How is it assessed?	Who assesses, analyzes, and monitors?	How are results used to improve programs/Unit?
Entry/Pre-admission	<ul style="list-style-type: none"> • CNK • DIV • PRF 	<ul style="list-style-type: none"> • Cumulative undergraduate GPA of 2.70 (B-) • Passing scores on PRAXIS I • Passing scores on PRAXIS II for graduate secondary certification candidates • Three letters of reference • Interview with faculty • Entry survey of candidates 	<p>Committee on Admission and Retention in Education (CARE)</p> <p>Research and Assessment Faculty</p>	Candidates are not admitted to the program unless they meet these assessment standards. The system allows the Unit to maintain standards.
Mid-point/Pre-student teaching	<ul style="list-style-type: none"> • PDK • INT • TTT • DIV • PRF 	<ul style="list-style-type: none"> • Maintenance of minimum cumulative GPA of 2.70 (B-) throughout coursework • Grades of "C" or higher in all education courses • Passing scores on required lesson and unit plan assessments • Clinical experience evaluation by Cooperating Teacher and University Supervisor • Passing scores on programmatic performance assessment 	<p>Course Instructors, Program Coordinators, and the Committee on Admission and Retention in Education (CARE)</p> <p>Research and Assessment Faculty</p>	Candidates are given feedback and weak areas are strengthened in courses.
Student Teaching	<ul style="list-style-type: none"> • CNK • PDK • INT • TTT • DIV • PRF 	<ul style="list-style-type: none"> • Student teaching evaluation by Cooperating Teacher and University Supervisor • Performance task of teaching in the student teaching seminar 	<p>Cooperating Teacher, University Supervisor, Course Instructors, and the Coordinator of Educational Experiences</p> <p>Research and Assessment Faculty</p>	Student teaching results and cooperating teacher feedback are used to improve courses, programs, and the Unit.
Exit/Certification completion	<ul style="list-style-type: none"> • CNK • PDK • INT • TTT • DIV • PRF 	<ul style="list-style-type: none"> • Passing scores on PRAXIS II • State of CT Reading Test for ECE and ELE • Successful completion of the Exit Portfolio for ECE • Completion of undergraduate degree and a major other than education with a minimum of 2.70 GPA • Exit survey of candidates 	<p>Certification Officer</p> <p>Research and Assessment Faculty</p>	Data on certification completion are used to improve programs.
Post-certification	<ul style="list-style-type: none"> • CNK • PDK • INT • TTT • DIV • PRF 	<ul style="list-style-type: none"> • Graduate Survey • Employer Survey 	<p>Research and Assessment Faculty</p>	Graduates' strengths and weaknesses are considered to make changes in courses, programs, and the Unit.

Conclusion

The Education Unit's conceptual framework at Eastern Connecticut State University is a living document that guides the Unit in providing direction and vision to all of its programs, including curriculum development, implementation, and evaluation. The faculty adheres to a constructivist learner-centered epistemology that emphasizes inquiry, reflection, and collaboration, which are all interwoven with content knowledge, pedagogical knowledge, integration, technology, diversity, and professionalism. It is clearly aligned with institutional, state, and national professional standards.

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Attachments

CONNECTICUT COMMON CORE OF TEACHING (CCCT)

Foundational Skills and Competencies

I. Teachers have knowledge of:

Students

1. Teachers understand how students learn and develop.
2. Teachers understand how students differ in their approaches to learning.

Content

3. Teachers are proficient in reading, writing and mathematics.
4. Teachers understand the central concepts and skills, tools of inquiry and structures of the discipline(s) they teach.

Pedagogy

5. Teachers know how to design and deliver instruction.
6. Teachers recognize the need to vary their instructional methods.

II. Teachers apply this knowledge by:

Planning

1. Teachers plan instruction based upon knowledge of subject matter, students, the curriculum and the community.
2. Teachers select and/or create learning tasks that make subject matter meaningful to students.

Instructing

3. Teachers establish and maintain appropriate standards of behavior and create a positive learning environment that shows a commitment to students and their successes.
4. Teachers create instructional opportunities that support students' academic, social and personal development.
5. Teachers use effective verbal, nonverbal and media communications techniques, which foster individual and collaborative inquiry.
6. Teachers employ a variety of instructional strategies that enable students to think critically, solve problems and demonstrate skills.

Assessing and Adjusting

7. Teachers use various assessment techniques to evaluate student learning and modify instruction as appropriate.

III. Teachers demonstrate professional responsibility through:

Professional and Ethical Practice

1. Teachers conduct themselves as professionals in accordance with the Code of Professional Responsibility for Teachers (Section 10-145D-400a of the Connecticut Certification Regulations).
2. Teachers share responsibility for student achievement and well-being.

Reflection and Continuous Learning

3. Teachers continually engage in self-evaluation of the effects of their choices and actions on students and the school community.
4. Teachers seek out opportunities to grow professionally.

Leadership and Collaboration

5. Teachers serve as leaders in the school community.
6. Teachers demonstrate a commitment to their students and a passion for improving their profession.

INTERSTATE NEW TEACHER ASSESSMENT AND SUPPORT CONSORTIUM (INTASC) PRINCIPLES

- Principle #1:** The teacher understands the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and can create learning experiences that make these aspects of subject matter meaningful for students.
- Principle #2:** The teacher understands how children learn and develop, and can provide learning opportunities that support their intellectual, social, and personal development.
- Principle #3:** The teacher understands how students differ in their approaches to learning and creates instructional opportunities that are adapted to diverse learners.
- Principle #4:** The teacher understands and uses a variety of instructional strategies to encourage students' development of critical thinking, problem solving, and performance skills.
- Principle #5:** The teacher uses an understanding of individual and group motivation and behavior to create a learning environment that encourages positive social interaction, active engagement in learning, and self-motivation.
- Principle #6:** The teacher uses knowledge of effective verbal, nonverbal, and media communication techniques to foster active inquiry, collaboration, and supportive interaction in the classroom.
- Principle #7:** The teacher plans instruction based upon knowledge of subject matter, students, the community, and curriculum goals.
- Principle #8:** The teacher understands and uses formal and informal assessment strategies to evaluate and ensure the continuous intellectual, social, and physical development of the learner.
- Principle #9:** The teacher is a reflective practitioner who continually evaluates the effects of his/her choices and actions on others (students, parents, and other professionals in the learning community) and who actively seeks out opportunities to grow professionally.
- Principle #10:** The teacher fosters relationships with school colleagues, parents, and agencies in the larger community to support students' learning and well-being.

NATIONAL BOARD FOR PROFESSIONAL TEACHING STANDARDS (NBPTS) FIVE CORE PROPOSITIONS

- Proposition #1:** Teachers are committed to students and their learning.
- Proposition #2:** Teachers know the subjects they teach and how to teach these subjects to students.
- Proposition #3:** Teachers are responsible for managing and monitoring student learning.
- Proposition #4:** Teachers think systematically about their practice and learn from experience.
- Proposition #5:** Teachers are members of learning communities.

**NATIONAL COUNCIL FOR ACCREDITATION OF TEACHER EDUCATION (NCATE)
STANDARDS**

1: Candidate Knowledge, Skills, and Professional Dispositions

- 1a. Content Knowledge for Teacher Candidates
- 1b. Pedagogical Content Knowledge and Skills for Teacher Candidates
- 1c. Professional and Pedagogical Knowledge and Skills for Teacher Candidates
- 1d. Student Learning for Teacher Candidates
- 1e. Knowledge and Skills for Other School Professionals
- 1f. Student Learning for Other School Professionals
- 1g. Professional Dispositions for all Candidates

2: Assessment System and Unit Evaluation

- 2a. Assessment System
- 2b. Data Collection, Analysis, and Evaluation
- 2c. Use of Data for Program Improvement

3: Field Experiences and Clinical Practice

- 3a. Collaboration Between Unit and School Partners
- 3b. Design, Implementation, and Evaluation of Field Experiences and Clinical Practice
- 3c. Candidates' Development and Demonstration of Knowledge, Skills, and Dispositions to Help All Students Learn

4: Diversity

- 4a. Design, Implementation, and Evaluation of Curriculum and Experiences
- 4b. Experiences Working With Diverse Faculty
- 4c. Experiences Working with Diverse Candidates
- 4d. Experiences Working with Diverse Students in P-12 schools

5: Faculty Qualifications, Performance, and Development

- 5a. Qualified Faculty
- 5b. Modeling Best Professional Practices in Teaching
- 5c. Modeling Best Professional Practices in Scholarship
- 5d. Modeling Best Professional Practices in Service
- 5e. Unit Evaluation of Professional Education Faculty Performance
- 5f. Unit facilitation of Professional Development

6: Unit Governance and Resources

- 6a. Unit leadership and Authority
- 6b. Unit Budget
- 6c. Personnel
- 6d. Unit facilities
- 6e. Unit Resources Including Technology