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Graduate School of
 Education
<http://www.lesley.edu/prek-12-education-programs/>

Certificate of Advanced Graduate Study

CURRICULUM and INSTRUCTION

This certificate program in curriculum and instruction is designed for experienced educators with master's degrees who wish to extend their knowledge of instructional methodology, academic content areas, and curriculum development. The program is geared to serve the needs of master teachers who wish to continue in the same role or to enter new roles as coaches, consultants, supervisors, or administrators.

Coursework in research and adult learning anchor a concentration in content or other disciplinary areas in which students wish to gain more in-depth knowledge. Opportunities for directed study, internships, or other field experience may be provided. The program culminates in a final capstone project.

Program prerequisite: Master's degree

Courses may have prerequisites for registration; please check course descriptions before registering.

Course Number	Course Title	Course Credits
Required Foundation Courses		
EAGSR 7116	Learning and the Brain: Fitting the Nurture of Teaching to the Nature of Learning	3
EAGSR 7004	Adult Learning and Development	3
Current Topics Courses – Choose 3		
EAGSR 8110	Change is a Process	3
ECOMP 6012	Cyberbullying in Schools: Awareness, Prevention & Intervention	3
ECOMP 7010	Emerging Tech: Bringing the Future to Your Classroom	3
ECOMP 5007	21st Century Teaching: Supporting All Learners with Technology	3
EEDUC 6158	Enduring Ideas and Current Issues in the Education of Young Children	3
Curriculum Courses		
EEDUC 7111	Curriculum, Assessment and Instruction: Assumptions, Relationships, and Design	3
EEDUC 7112	Making Systems Work! Integrating Data with Instruction	3
Content Courses		
Four 3-credit graduate-level content courses, chosen in consultation with an advisor, may be chosen from the following disciplines: the arts, literacy, mathematics, science, special education, TESOL or technology. The courses may be in a single discipline or a combination of the above.		12
Capstone Courses – Choose 1		
EARED 7102	Arts-Based Research	3
EEDUC 6999	Independent Study	
EEDUC 7500	Curriculum and Instruction Thesis Project	
TOTAL CREDITS		36

Accreditation:

Lesley University is accredited by the New England Association of Schools and Colleges and is authorized to offer degree programs in many states.

For more information, please visit our website lesley.edu

Please Note: Lesley University reserves the right to unilaterally add, withdraw, or revise any course offering in the above mentioned program of study including policies, provisions, requirements, and fees.

Lesley University is an Affirmative Action/Equal Opportunity institution and does not discriminate on the basis of age, race, religion, color, creed, national or ethnic origin, sex, sexual orientation, handicap or disability in its education programs, employment, or in admissions to, access to or treatment in its programs or activities.

Course Descriptions

EAGSR 7116 Learning and the Brain: Fitting the Nurture of Teaching to the Nature of Learning

In this course, educators will explore how neuroscience can be used to improve student learning. Learning occurs through the biological medium of the brain. Activating and altering neurobiological processes within the nervous system is key to learning. Participants will examine the physiological mechanisms involved in memory, executive function, attention, emotion, motivation, stress, and resilience, and investigate practical applications for improved teaching methods and curricular design.

EAGSR 7004 Adult Learning and Development

This course will review the theories, research, and models on adult learning and development. It explores the social context in which adults learn and develop, and the influences of race, class, gender, and culture. Students will be required to apply the material to a practice setting. This is a seminar designed for advanced graduate students.

EAGSR 8110 Change is a Process

In this seminar, new knowledge constructed from Achieving Academic Excellence for All, Critical Contexts in Educational Leadership, and Creating the School as Center of Academic Achievement will be reviewed, reinforced and applied to exploring the process of change. Students will examine work conditions that support change efforts, study models of change, and discuss their implications for redefining educational leadership and redesigning schools. Students will examine the use of conceptual frameworks to initiate, facilitate, support, and sustain school or district-wide change efforts.

ECOMP 6012 Cyberbullying in Schools: Awareness, Prevention & Intervention

This course will introduce educators to the world of cyberbullying. Through readings, discussions, group work and simulations, the course will focus on how cyberbullying happens and the manifestation of it in the classroom and beyond. The legal implications for students, teachers, schools, and districts will also be explored. The course will conclude with class-created recommendations on actions that educators can take today to create a classroom/school culture that rejects cyberbullying.

ECOMP 7010 Emerging Tech: Bringing the Future to Your Classroom

Learn about promising technologies including eye tracking, 3D printers, and wearable computers. Explore the possibilities for trends such as the Maker Movement and the Flipped Classroom. Discover the latest web-based resources and collaboration tools for every grade level and subject area. Learn to integrate emerging technologies into existing curricula while promoting transformative thinking and creativity. Build your expertise and gain experience in identifying the efficacy of future technologies for enhancing student learning.

ECOMP 5007 21st Century Teaching: Supporting All Learners with Technology

This hands-on course teaches the integration of a broad range of technologies that foster a school climate and culture that actively supports learning for all students, including students with disabilities and students who are culturally and linguistically diverse. Participants develop the knowledge and skills to support diverse learners, including: understanding the learning characteristics of these students; leveraging digital media to support collaborative learning opportunities; evaluating and selecting appropriate computer-based applications and online tools; experimenting with and using assistive technologies; integrating technologies into the curriculum; and discussing trends and research that support these students in the classroom.

EEDUC 6158 Enduring Ideas and Current Issues in the Education of Young Children

This course examines ideas that have consistently influenced thinking in early childhood education and have significantly impacted program planning for young children. Through examination of the ideas, students gain an understanding of some historical and theoretical frameworks that have shaped current educational thought. They use the theoretical frameworks as a basis for exploring current issues related to the processes of young children's development and learning. Assessment, leadership, and advocacy efforts are integral components of the course.

EEDUC 7111 Curriculum, Assessment and Instruction: Assumptions, Relationships, and Design

Students work with several models and frameworks of curriculum development and their application to systems, classroom curriculum and instruction, and assessment. Models include standards-driven, integrated curriculum, portfolio, and performance assessment. Brain-based research and its impact on curriculum development and instruction are analyzed.

EEDUC 7112 Making Systems Work! Integrating Data with Instruction

Participants explore the standards-based reform movement with particular emphasis on teachers' emerging roles as curriculum developers in the 21st century. Where curriculum development, multiple assessment tools, and technological advances for incorporating big data intersect is the nexus for this course. Building on prior coursework and their own practice, participants apply and critique a process for planning curriculum and assessment and integrating data, designed to support students in diverse classrooms to gain a deeper understanding of important concepts and skills.

EARED 7102 Arts-Based Research

This course focuses on arts-based research as practiced in the arts, education and other social sciences. We will examine using the creative process and various arts modalities to research human experience. We will explore various models of arts-based research, and students will develop research projects grounded in an arts-based method.

EEDUC 7500 Curriculum and Assessment Thesis Project

This CAGS thesis project course is designed to assist students in developing and implementing a project that will contribute to the field of education. The project also helps to demonstrate that at the end of the CAGS program, students have learned how to conduct research, plan a major initiative, synthesize information, and present the work to an appropriate and critical audience.