EARLY CHILDHOOD EDUCATION (ECEC)

ECEC 5500. Early Childhood Development. (3 Credits)
Advanced course in the physical, emotional, social and intellectual development of infants and young children through nine years of age and in observations of children in this age period for the purpose of applying principles and plotting developmental changes. Observation-laboratory experiences will be included to reflect on those observations. Candidates must earn a minimum grade of B to receive credit for this course in the program of study.

ECEC 5509. Theories, Design, and Program Development In Early Childhood Education. (3 Credits)
Provides for the analysis and evaluation of the needs of both student and teacher in differentiated learning environments in the preschool primary grades in early childhood education. Curricula design will address varied philosophies, theories and methods of teaching and supporting auxiliaries. Candidates must earn a minimum grade of B to receive credit for this course in the program of study.

ECEC 5512. Cultural Diversity In Early Childhood Education. (3 Credits)
Educational programs for young children with varied cultural and socioeconomic backgrounds. Opportunities will be provided for analysis and evaluation of these programs through selected field experiences and action research. Candidates must earn a minimum grade of B to receive credit for this course in the program of study.

ECEC 5518. Issues in Early Childhood Education. (3 Credits)
This course will focus on current research trends and issues, historical, philosophical and sociological influences that have shaped early childhood education. Controversial issues and alternative approaches to solve problems will be investigated.

ECEC 5525. Mathematical Experiences for Young Children. (3 Credits)
Theoretical viewpoints that have affected the teaching pre-mathematical and math concepts will be will be examined. Innovative mathematics projects and programs will be reviewed. Laboratory experiences will be arranged. Candidates must earn a minimum grade of B to receive credit for this course in the program of study.

ECEC 5527. Science Experiences for Young Children. (3 Credits)
Theoretical viewpoints which have affected the teaching of science concepts will be reviewed. Curriculum, method, materials and technologies will be analyzed and evaluated in view of current research and practices. Candidates must earn a minimum grade of B to receive credit for this course in the program of study.

ECEC 5535. Reading in Early Childhood Education. (3 Credits)
Focuses on the teacher’s tasks in early childhood. Special attention to current approaches and such aspects as introduction to language symbols in the pre-school and the first grade, readiness, motivation and individual differences. The course includes relevant theory and practical applications of basic skills. Students will work with materials and techniques on various levels.

ECEC 5550. Social Studies in Early Childhood Education. (3 Credits)
This course will examine innovative techniques for teaching of social studies. Curriculum, methods and techniques will be analyzed and evaluated in view of current research and practices. Field experiences to include field-testing social studies projects will be required. Candidates must earn a minimum grade of B to receive credit for this course in the program of study.

ECEC 5551. Understanding and Teaching Alg. (3 Credits)
This course provides an in depth exploration of algebraic thinking, number systems, problem posing and problem solving in P-5 settings. Candidates will explore the algebraic content in their general classroom activities and practice algebraic thinking and representing mathematical models. The lessons will include strong emphasis on best practices for developing mathematical thinking in young children.

ECEC 5552. Understanding and Teaching Geometry. (3 Credits)
This course explores developmentally appropriate concepts in geometry and measurement. In addition to an overall focus on the development of mathematical thinking and language development, specific topics covered include theorems for the young child, circumference, perimeters, volume, metric system and navigating spatial relationships.

ECEC 5553. Understanding and Teaching Dat. (3 Credits)
This course launches an exploration into data analysis and probability in the P-5 classroom. Candidates will extend and refine their knowledge of data collection, organization, representation, analysis, and interpretation using real world sources and scenarios. Probability and basic concepts of chance will also be examined.

ECEC 5555. Creative Experiences in Early Childhood Education. (3 Credits)
Emphasizes a team teaching approach to the study of the creative process by use of selected topics of creative experiences in the living and learning of children. Candidates must earn a minimum grade of B to receive credit for this course in the program of study.