## Elementary Education

### ELED 308. Child Development: Birth Through Adolescence. 3 credits.
Skills for observing, recording and interpreting the behavior of children ages three through 12 will be developed so that adult intervention and guidance is appropriate and meaningful. **Prerequisites:** PSYC 160 and admission to teacher education. **Corequisites:** ECED 372, ELED 310, ELED 311 and READ 366.

### ELED 310. Diversity in Elementary Education with Service Learning. 3 credits.
This course guides students in critically examining their own perspectives regarding diversity in our society. Through this course, students will expand their awareness and understanding of individuals and groups apparently different from themselves. Students will explore pedagogical issues and practices in the classroom that embrace the whole community of learners and their families. **Prerequisite:** Admission to teacher education. **Corequisites:** ECED 372, ELED 308, ELED 311 and READ 366.

### ELED 311. Practicum with a Focus on Learners and Learning. 3 credits.
This field experience and seminar support the study of child development and learning in an organized environment. Through direct observation and interactions with children in a classroom setting, candidates will examine and reflect on how children develop and learn. Candidates will explore how their own personal attitudes, assumptions and behaviors toward students and their families are influenced by class, cultural and linguistic backgrounds. **Prerequisite:** Admission to teacher education. **Corequisites:** ECED 372, ELED 308, ELED 310 and READ 366.

### ELED 411. Practicum with a Focus on Curriculum Integration and Guiding Behavior. 3 credits.
This field experience provides candidates with a classroom of students and a mentor teacher with whom to practice the teaching of reading, math, science and social studies. The accompanying seminar explores the integration and construction of meaningful curriculum in elementary education contexts and supports students in their ongoing professional development. **Prerequisite:** ELED 311. **Corequisites:** READ 436, ELED 432, ELED 433 and ELED 434.

### ELED 432. Children and Science. 3 credits.
This course is a study of content, processes, pedagogy and materials for teaching science in the elementary classroom. Knowledge of cognitive development as applied to the selection of content and methodology for elementary learners will be examined. **Prerequisites:** ELED 308, ECED 372, ELED 310, ELED 311 and READ 366. **Corequisites:** READ 436, ELED 411, ELED 433 and ELED 434.

### ELED 433. Children and Mathematics: Number, Operations, Algebraic and Geometric Reasoning. 3 credits.
The first of two courses that provides students with knowledge, skills and understanding of design and implement for effective, developmentally appropriate mathematics instruction for grades PreK-6. Emphasis is on children’s mathematical
learning and pre-numerical stages through the acquisition of advanced numerical processes and operations and connections to geometric and algebraic reasoning. 
Prerequisites: MATH 107, MATH 108, MATH 207 and READ 366. Corequisites: READ 436, ELED 411, ELED 432 and ELED 434.

ELED 434. Children and Social Studies. 3 credits.
This course focuses on the content, processes, pedagogy and materials for teaching social studies in the elementary classroom. Knowledge of cognitive development as applied to the selection of content, methods, and materials and strategies for organizing the learning environment for elementary learners will be examined. Prerequisite: ELED 311. Corequisites: ELED 411, ELED 432, ELED 433 and READ 436.

ELED 490. Special Studies in Elementary Education. 1-3 credits.
Designed to give students opportunities to complete independent research on educational problems under faculty guidance. The plan for the study must be presented to the department head in prescribed form for approval prior to registration.