

Math Education (Elementary) (MAEE)

Course information contained within the Bulletin is accurate at the time of publication in August 2023 but is subject to change. For the most up-to-date course information, please refer to the Course Catalog.

MAEE 3141. Teaching of Mathematics N-6. 3 Credit Hours.

The purpose of this course is to prepare prospective teachers to teach reform-based mathematics in elementary and middle school settings as suggested in the Principles and Standards for School Mathematics (NCTM, 2000). The objectives of the course include integration of mathematics concepts and methods in order to focus on misconceptions in mathematics among preservice teachers as well as learning theories and standards-based instruction. The intent of the course is to enable students to enhance their mathematical skills and develop pedagogical knowledge. Furthermore, issues of equity and social justice will be discussed. Throughout the term, we will explore classroom materials, models, and technologies appropriate for teaching mathematics to all children, including those with learning disabilities.

Student Attribute Restrictions: Must be enrolled in one of the following Student Attributes: Clearance for Education.

Cohort Restrictions: Must be enrolled in one of the following Cohorts: EDCNDCY.

Co-requisites: ELED 3387, SCEE 3151.

Repeatability: This course may not be repeated for additional credits.