

Math Education (Secondary) (MAES)

Course information contained within the Bulletin is accurate at the time of publication in June 2025 but is subject to change. For the most up-to-date course information, please refer to the Course Catalog.

MAES 5469. Spec Proj Math Ed. 1 to 6 Credit Hour.

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

MAES 5471. Teaching of Mathematics. 3 Credit Hours.

Methods and models of teaching and assessing mathematics in secondary schools. Key ideas include rigorous instruction for all students, teaching for understanding, eliciting and extending students' mathematical thinking, selecting and using high-quality classroom tasks, and developing effective classroom discourse. Focus on teaching and learning the important secondary content areas of algebra and data analysis, including mathematics modeling and the use of technology in learning these subjects. Problem solving, communication, and mathematical representations and connections are emphasized.

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