**MTHT 1350 Mathematics for Teachers (3)**

This course provides teacher candidates with increased skills in number theory, algebra, geometry, probability and statistics. Content and skills are aligned with state certification requirements. Students must pass this course with a B- or better to meet the requirement for admission to teacher certification. **GCP Coding:** (QL)

**MTHT 4310 Elementary-School Mathematics Methods (3)**

This course presents methods, curricula, and materials for elementary school mathematics, with an emphasis on problem solving and critical thinking. **Prerequisite:** A grade of B- or better in a college-level mathematics course.

**MTHT 4320 Differentiated Mathematics Instruction (3)**

This course is designed to explore the literature and current practices in differentiating math instruction in K-12 classrooms. The primary objective of this class is for students to advance their professional knowledge, skills and practice for effectively teaching mathematics through differentiated instruction. An additional emphasis will be placed on response to intervention and students will learn how to assess mathematics formatively and develop strategies and interventions and target specific math difficulties. **Prerequisite:** A grade of B- or better in a college-level mathematics course.

**MTHT 4450 Middle-School Mathematics Methods (3)**

This course analyzes the curriculum and methods of middle-school mathematics, as well as the principal materials available for teaching. **Prerequisites:** 3 credit hours of mathematics at the 3000-level and acceptance to the Teacher Certification Program or permission of the student’s advisor.