

MATHEMATICS

MT-910 Understanding K-8 Mathematics: Numbers And Operations

Develops and strengthens teachers' knowledge and understanding of the number sense and operations strand of middle school mathematics
3 Credits

MT-911 Understanding K-8 Mathematics: Probability and Statistics

Teachers will develop and strengthen their knowledge of statistical and probabilistic concepts. Presentations will include investigations appropriate to middle school classrooms.
3 Credits

MT-912 Understanding K-8 Mathematics: Patterns, Functions, and Algebra

Develops and strengthens teachers' knowledge and understanding of the patterns, functions and algebra strand of elementary and middle school mathematics.
3 Credits

MT-913 Understanding K-8 Mathematics: Geometry And Measurement

Teachers will develop and strengthen their knowledge of the geometry and measurement strand of elementary and middle school mathematics.
3 Credits

MT-920 Probability and Statistics for Middle And High School Teachers

Teachers will strengthen their knowledge of probability, descriptive, and inferential statistics.
Every 2-3 years. 3 Credits

MT-923 Algebra and Trigonometry for Middle and High School Teachers

Teachers will develop and strengthen their knowledge of algebra and trigonometry.
Every 2-3 years. 3 Credits

MT-930 Mathematical Modeling for Middle and High School Teachers

This course focuses on mathematical modeling techniques for Middle and High School teachers. Students will strengthen and expand their knowledge of algebra and its applications to a variety of situations and models.
Other or on demand and every 2-3 years. 3 Credits

MT-932 Number Theory for Middle and High School Teachers

Students will enhance their knowledge of number theory and abstract algebra topics.
Other or on demand and every 2-3 years. 3 Credits

MT-933 Middle and High School Geometry for Teachers

Teachers will develop and strengthen their knowledge of Euclidean, Non-Euclidean, and transformational Geometry.
Every 2-3 years. 3 Credits

MT-935 Discrete Math for Middle and High School Teachers

Teachers will develop and strengthen their knowledge of discrete mathematics. The course will emphasize connections to middle and high school mathematics curriculum.
Every 2-3 years. 3 Credits

MT-940 Calculus for Middle and High School Math Teachers

Teachers will develop and strengthen their knowledge of derivatives, integrals, and applications of calculus.
Every 2-3 years. 3 Credits

MT-971 Special Topics

Special topics in elementary, middle and/or school mathematics.
3 Credits

MT-990 Directed Study: Math for Teachers

Directed study offers graduate students, who because of unusual circumstances may be unable to register for a course when offered, the opportunity to complete an existing course with an established syllabus under the direction and with agreement from a faculty member. Variable credit.

Fall and Spring and every year. 1-12 Credits