

TEXAS WOMAN'S UNIVERSITY
MASTER MATHEMATICS TEACHER CERTIFICATION
PROGRAM*

Level 8-12

REQUIRED COURSES (18 hours):

MATH 5423 History of Mathematics
MATH 5483 Probability and Statistics I
MATH 5203 Secondary Problem Solving (Grades 8-12)
MATH 5313 Geometry in the Math Classroom
MATH 5003 Math Concepts in the Educational Setting
MATH 5913 Independent Study: Practicum in Professional Development and Assessment

Portfolio Requirement: A collection of sample work from all required MMT courses, along with other requested materials, is to be submitted to the instructor for MATH 5913. For portfolio details and MMT certification standards, see your graduate advisor.

Additional coursework (18 hours) to complete the graduate degree: MASTER OF SCIENCE IN MATHEMATICS TEACHING
(degree optional)

Required 6 hours:

MATH 5513 Matrix Algebra
MATH 5543 Symbolic Logic

Select 3 hours from:

MATH 5523 Number Theory
MATH 5563 Logic, Sets and Real Numbers
MATH 5493 Probability and Statistics II
MATH 5573 Statistical Methods I
MATH 5583 Statistical Methods II

Select 3 hours from:

MATH 5903 Euclidean Geometry
MATH 5453 Modern Geometry

Select 3 hours from:

MATH 5303 Algebra in the Math Classroom
MATH 5213 Math Manipulatives

Required 3 hours:

MATH 5973 Professional Paper

There is a total of 36 hours of graduate work required for the MSMT degree, including the 18 hours for the MMT certificate.

Level 4-8

REQUIRED COURSES (18 hours):

MATH 5423 History of Mathematics
MATH 5483 Probability and Statistics I
MATH 5103 Elementary Problem Solving (Grades 4-8)
MATH 5313 Geometry in the Math Classroom
MATH 5003 Math Concepts in the Educational Setting
MATH 5913 Independent Study: Practicum in Professional Development and Assessment

Portfolio Requirement: A collection of sample work from all required MMT courses, along with other requested materials, is to be submitted to the instructor for MATH 5913. For portfolio details and MMT certification standards, see your graduate advisor.

Additional coursework (18 hours) to complete the graduate degree:

MASTER OF SCIENCE IN MATHEMATICS TEACHING
(degree optional)

Required 6 hours:

MATH 5513 Matrix Algebra
MATH 5543 Symbolic Logic

Select 3 hours from:

MATH 5523 Number Theory
MATH 5563 Logic, Sets and Real Numbers
MATH 5493 Probability and Statistics II
MATH 5573 Statistical Methods I
MATH 5583 Statistical Methods II

Select 3 hours from:

MATH 5903 Euclidean Geometry
MATH 5453 Modern Geometry

Select 3 hours from:

MATH 5303 Algebra in the Math Classroom
MATH 5213 Math Manipulatives

Required 3 hours:

MATH 5973 Professional Paper

There is a total of 36 hours of graduate work required for the MSMT degree, including the 18 hours for the MMT certificate.

* For more information, please contact:

Department of Mathematics and Computer Science at 940.898.2166