

**Beginning
Summer 2017!**

Get your Elementary Math Specialist Certificate

Summer 2017 Course

Offerings:

MAE 6400

MAE 7250

You can contribute valuable knowledge skills for improving mathematics teaching and learning in Michigan schools by earning an Elementary Math Specialist certificate. Wayne State University is the only institution in Michigan offering this program.

Math specialists are needed in Michigan schools!



**For more information, contact Dr. Jennifer Lewis,
jmlewis@wayne.edu**

*9 credits can be
applied towards a
master's degree!*

Elementary Math Specialist, Introductory Certificate

Required Courses: Take BOTH

MAE 6400 Elementary School: Mathematics Curriculum and Assessment.

MAE 6150: Special topics. Teacher learning and professional development in mathematics education.

Elective Courses: Take at least 2 from the following:

MAE 6450 Integrating Literature and Mathematics in the Elementary School

MAT 5180 Geometry for Middle School Teachers.

MAT 5190 Number Theory for Middle School Teachers.

MAT 5120 Abstract Algebra for Middle School Teachers.

MAT 5130 Problem Solving for Middle School Teachers

MAE 6050 Teaching Mathematics in the Middle Grades.

MAE 7400 Seminar in Mathematics Education.

MAE 8400 Technology in Mathematics Learning and Teaching.

MAE 8550 Theoretical Perspectives on Learning Mathematics.

Elementary Math Specialist, Advanced Certificate

In addition to the Introductory Elementary Math Specialist Certificate:

Required Course:

MAE 7400 Seminar in Mathematics Education.

Elective Courses: Take at least 3 from electives above and here:

MAE 7150 Advanced Studies in Teaching Discrete Mathematics.

MAE 7200 Advanced Studies in Teaching Statistics and Probability.

MAE 7250 Advanced Studies in Teaching Algebra.

MAE 7300 Advanced Studies in Teaching Geometry.

IT 8650 Staff Development and School Improvement.

IT 7220 Multimedia for Instruction.

IT 7230 Advanced Multimedia for Instruction.

IT 6140 Designing Web Tools for the Classroom.

IT 6230 Internet in the Classroom.

CED 6700 The Role of the Teacher in Guidance.

EDA 7600 The Structure of American Education.

EDA 7660 Administrative Leadership in School-Community Relations and Public Relations.

EDA 8630 Supervision