

MEd in Learning, Teaching and Curriculum with Emphasis in Mathematics Education

This program emphasizes

- Current issues in mathematics education
- Elementary or secondary mathematics content
- Increasing equity in mathematics teaching and learning
- Recent research in mathematics education
- Strategies for incorporating technology into mathematics instruction

Degree Requirements

Delivery of this program is 100 percent online: no campus visits are required. However, you may choose to enroll in electives that require face-to-face meetings on campus. Course work may be tailored for teachers of any grade level with optional areas of focus in elementary or secondary education. Successful completion of the program requires 30 credit hours. At least 16 credit hours must be at the 8000 level.

More information about the Mathematics Education M.Ed. program (<https://online.missouri.edu/degrees-programs/mu/education/mathematics-education/m-ed/>) can be found on the Missouri Online website.

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| Master's Core | | 9 |
| LTC 8913 | Curriculum Development | 3 |
| LTC 8914 | Culturally Responsive Pedagogy | 3 |
| LTC 8915 | Classroom Research-Learning, Teaching and Curriculum | 2 |
| LTC 8910 | Individual Research | 1-3 |
| Mathematics education or mathematics courses | | 18 |
| LTC 8085 | Problems in Curriculum and Instruction | 1-3 |
| LTC 8865 | Assessment in Mathematics Education | 3 |
| LTC 8866 | Contemporary Curriculum Issues in Mathematics Education | 2 |
| LTC 8871 | Teaching and Learning Number/Operations Advanced | 3 |
| LTC 8872 | Teaching and Learning Rational Number Advanced | 3 |
| LTC 8873 | Teaching and Learning Geometry and Measurement Advanced | 3 |
| LTC 8874 | Teaching and Learning Algebraic Reasoning Advanced | 3 |
| LTC 8875 | Technology and Mathematics Education | 3 |
| LTC 8876 | Teaching Data Analysis and Mathematical Modeling | 3 |
| LTC 8877 | Foundations of Mathematics Leadership in Elem Schools | 2 |
| LTC 8896 | Secondary Mathematics from an Advanced Perspective | 3 |
| MATH 7060 | Connecting Geometry to Middle and Secondary Schools | 3 |
| MATH 7070 | Connecting Algebra to Middle and Secondary Schools | 3 |

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| MATH 7100 | Differential Equations | 3 |
| MATH 7140 | Matrix Theory | 3 |
| MATH 7510 | Higher Algebra | 3 |
| MATH 7540 | Mathematical Modeling I | 3 |
| MATH 7940 | Introduction to Complex Variables | 3 |
| MATH 7960 | Special Readings in Mathematics | 3 |
| Education electives | | 3 |
| ED_LPA 7428 | Curriculum Leadership | 3 |
| ESC_PS 7115 | Human Learning | 3 |
| IS_LT 9467 | Technology to Enhance Learning | 3 |
| SPC_ED 7300 | Introduction to Special Education | 3 |

Admissions

Applicants are required to meet two sets of minimum qualifications for admission: the requirements of the MEd in Learning, Teaching and Curriculum program (<https://gradschool.missouri.edu/degrecategory/learning/>) and the minimum requirements of the Graduate School (<https://gradschool.missouri.edu/admissions/eligibility-process/>). Because requirements vary, you must refer to a degree program's graduate admission page to learn about specific admission criteria, application deadlines, eligibility and application process. Your application materials will be reviewed by both the Graduate School and the degree program to which you've applied before official admission to the University of Missouri.

The LTC graduate program cannot assure admission to all applicants who meet minimum standards specified for the degree program. Resource constraints do not permit the admission of all qualified applicants.

A committee of faculty reviews the credentials of each applicant. It is the responsibility of this committee to exercise professional judgment related to the criteria that applicants must meet in order to be considered for admission to the program.