

# EdSp in Learning, Teaching and Curriculum with Emphasis in Mathematics Education

The Educational Specialist degree in Mathematics Education is intended for teachers who have already completed a masters degree and are seeking additional work related to leadership, curriculum development, research and/or improving their own teaching skills.

## Degree Requirements

The Ed.S. is a 30-hour program beyond a master's degree. Coursework is comprised of at least 15 hours at the 8000 level or higher; and at least half the coursework in education. The program of study is approved by the student's advisor and two committee members. Courses for this program are 100 percent online: no campus visits are required. However, you may choose to enroll in electives that require face-to-face meetings on campus.

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

The course work for the Educational Specialist degree in Mathematics Education is comprised of three key areas: Mathematics Education, general electives, and research.

### Mathematics education curriculum (select at least 14 credit hours)

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 8875	Technology and Mathematics Education	3
LTC 8886	Contemporary Equity Issues in Mathematics Education	3
LTC 8896	Secondary Mathematics from an Advanced Perspective	3
LTC 8900	Seminar in Curriculum and Instruction	1-3

### Elementary curriculum (if you wish to simultaneously pursue an elementary math specialist certificate)

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 8876	Teaching Data Analysis and Mathematical Modeling	3
LTC 8877	Foundations of Mathematics Leadership in Elem Schools	2
LTC 8878	Mathematical Leadership for Elementary Schools Advanced	3

### General electives (choose up to 9 credit hours)

LTC 8642	Teaching Writing and Reading in Content Areas	3
LTC 8647	Language and Culture for Educators	3
ED_LPA 7428	Curriculum Leadership	3
ESC_PS 7115	Human Learning	3
SPC_ED 7300	Introduction to Special Education	3
IS_LT 9467	Technology to Enhance Learning	3

Or others based on student interest and course availability (with advisor approval)

### Research core (7 credit hours)

ESC_PS 7170	Introduction to Applied Statistics	3
ESC_PS 8020	Overview of Research Methods	3
LTC 8910	Individual Research	1

## Admissions

Applicants are required to meet two sets of minimum qualifications for admission: the requirements of the EdS 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.