Florida State University
School of Teacher Education
Specialist (Ed.S.) in Curriculum & Instruction
Major in Mathematics Education

The Ed.S. is intended to provide advance studies with more in-depth opportunities to further knowledge and practice in the areas of mathematics teaching and learning. Applicants for this program should have substantial teaching experience. There are t**wo specific profiles of applicants** that the program is designed to serve:

Secondary Mathematics Education
The applicant is certified to teach high school mathematics and may have experience teaching middle or high school mathematics as a full-time classroom teacher. The applicant also has substantial coursework in undergraduate mathematics, having successfully completed at least 12 units of mathematics beyond Calculus III with grades of "B" or better. Coursework will include graduate courses in mathematics, as well as advanced courses in Mathematics Education.

Middle Grades Mathematics Education
The applicant is certified to teach middle grades mathematics and may have experience teaching K-12 mathematics. The applicant must have completed substantial coursework in undergraduate mathematics and has completed at least Calculus II with a grade of "B" or better. Coursework may include graduate mathematics content courses designed especially for teachers, as well as courses in advance studies of Mathematics Education.

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Program Element	Credits	Element Description
Interdepartmental Core (see advisor for list of specific courses) Curriculum Theory (3) Learning Theory (3) Policy Studies (3)	9	This element represents an opportunity to gain insights from faculty external to the School of Teacher Education, as well as departmental faculty outside of the Mathematics Education major. Completion of this core simultaneously provides curriculum and instruction specialist candidates with a more comprehensive view of professional education theory and best practices.
Curriculum & Instruction Seminars (minimum of 2 credits) EDG 5xxx Seminar in Curriculum & Instruction Other seminar topics may include: Action Research Grant Writing Online Teaching/Learning Program Evaluation	2	This element would include a minimum of two curriculum and instruction seminars. Topics are identified by faculty based on student interests and current issues in education.
Research Methods Core Required Courses: EDF 5400 – Basic Descriptive/Inferential Statistics (4) EDF 5481 – Methods of Educational Research (3) Electives (~5): to be selected with approval of the major professor and supervisory committee consistent with the candidate's research goals.	15	A minimum of 12 semester hours of graduate courses must be completed in the research methods core. The student must demonstrate knowledge and competence with basic descriptive and inferential statistics and various methods of educational research.
Major Specialization courses in Mathematics Education, Mathematics/Statistics (minimum 9 hours, 18 required for eligibility for community college teaching) or other minor areas (e.g., Graduate courses in Mathematics Education (MAE), Educational Foundations (EDF), General Education (EDG), etc.) + MAE 8968 Comprehensive Exams	15	In addition to core program elements (required of all students), specialist degree candidates will complete a major that reflects an individual specialty area (e.g., Early Childhood Education, English Education, Mathematics Education, etc.). NOTE: 18 hours of graduate mathematics is required for eligibility for community college teaching and may result in more than 21 hours of coursework in this category.