

The **Secondary Mathematics Teaching Certificate** program is designed to provide the broad training in mathematics necessary to be a successful teacher of mathematics at the secondary level, grades 6-12. LSA degree candidates must earn at least 104 LSA credits and at least 30 Education credits. Please note that the LSA B.S. degree requires 60 credits in physical and natural science and mathematics; students with less than 60 credits are eligible for an A.B. degree. Appointments with a Mathematics Department teaching certificate advisor may be scheduled online at <http://www.lsa.umich.edu/math/undergraduates/advising.html>.

For information specific to the School of Education, students should contact the SoE Office of Student Services, 1228 SEB, (734) 764-7563, <https://soe.umich.edu/academics-admissions/degrees/certification/undergraduate-secondary-teacher-education>. *It is essential that students planning to obtain a teaching certificate consult a teaching certificate advisor, either in Mathematics or Education, prior to beginning their concentration program.*

The School of Education application deadline for fall term admission to the certification program is February 1. Applications received after February 1 are reviewed on a rolling basis through May 1. Students are encouraged to apply during their sophomore year. The School of Education will also accept winter term applications received by October 1 of a student's junior year.

I. Prerequisites (3 courses) {must be completed with C- or better}

Instructions	Course(s)	Student Elections (enter your course selections here)
Select both of the following introductory math courses :	Math 205 or 215 Math 217	1. _____ 2. _____
EECS 183 or working knowledge of a high-level computer language (Fortran, C, or C++)	EECS 183 or working knowledge	3. _____

*II. Basic Courses** (5 courses) {must be completed with C- or better}*

Instructions	Course(s)	Student Elections (enter your course selections here)
Select the following Modern Algebra courses:	Math 487	1. _____
Select the following Geometry course:	Math 431	2. _____
Select one of the following Probability courses:	Math 425 or Math 525	3. _____
Select one of the following Analysis courses:	Math 351 or Math 451	4. _____
Select the following Secondary Mathematics course:	Math 486	5. _____

** The basic courses for a candidate for a teaching certificate consist of one course from each of the preceding five groups (chosen with the approval of a teaching certificate advisor)

*III. Special Education Math Courses** (10 courses)*

Instructions	Course(s)	Student Elections (enter your course selections here)
Select Methods of Teaching Mathematics (or minor field)	EDUC 413	1. _____
Select Practicum in Teaching Methods	EDUC 307I AND EDUC 307II	2. _____ 3. _____
Select Educational Psychology	EDUC 391	4. _____
Select Literacy in the Content Area:	EDUC 402	5. _____
Select Education in a Multi-cultural Society	EDUC 392	6. _____
Select Directed Teaching	EDUC 302	7. _____
Select Problems and Principles	EDUC 304	8. _____
Select Teaching with Technology	EDUC 446	9. _____
Select Teaching Students with Exceptionalities	EDUC 445	10. _____

**** The program requires ten specific Education courses, listed above, totaling 30 credits. These are elected in the junior and senior years in a specified order. Consult with the School of Education Office of Student Services for the order and timing of these courses. The last four of these are to be elected concurrently. We repeat: Students are encouraged to apply for admission to the certification program during their sophomore year. Forms are available at the School of Education, Office of Student Services (1228 SEB).**

*IV. Introductory Psychology** (1 course)*

Instructions	Course(s)	Student Elections (enter your course selections here)
Select an introductory psychology course.	<i>Selected with approval from a teaching education advisor</i>	1. _____

**** Additionally, every student must successfully complete: an introductory course in psychology (should be taken before Ed 391) and Michigan's licensure requirements.**

V. Minor Requirements

Every Teaching Certificate student must also obtain a major or minor (SOE, not LS&A) in another academic field. This normally requires 20-24 credits in a structured program in an area other than mathematics. Consult the [Bulletin of the School of Education](#) for acceptable programs.