

KU School of Education
GLP Teacher Education Program
 Secondary (6-12) Math Major

General Education Requirements: The following general education courses must be completed prior to admission to the Graduate Licensure Program with no grade less than a “C”:

		Credits	Semester	Grade
ENGL 101	Composition	3		
ENGL 102	Critical Reading and Writing	3		
COMS 130	Speaker-audience Communication	3		
Math 101	College Algebra	3		
Math 105, 106,111,115 or higher	Introduction to Topics in Mathematics, Introduction to Finite Mathematics, Matrix Algebra, Probability, and Statistics, Calculus I, or higher	3		

Admission Requirement: An undergraduate major in mathematics or related field, or prior completion of at least half of the courses listed below; however, all the major courses must be completed before student teaching.

Math Major Courses (42-44 hrs.)

		Credits	Semester	Grade
MATH 121	Calculus I ***	5	General Education	
MATH 122	Calculus II	5		
MATH 223 and MATH 290	Vector Calculus and Elementary Linear Algebra	5		
MATH 500	Intermediate Analysis	3		
MATH 409	Topics in Mathematics for Secondary and Middle School Teachers	2		
MATH 559	Modern Geometries	3		
MATH 558	Modern Algebra	3		
MATH 526	Applied Mathematical Statistics I	3		
MATH 320 or PHSX 211	Elementary Differential Equations or General Physics I	3-4		
MATH 410	History of Math	1		
EECS 138	Introduction to Computing...	3		
EECS 210 or MATH 530	Discrete Structures or Applied Discrete Math	3-4		
MATH 596	Special Topics in Mathematics for Education Majors	3		

*****NOTE:** It is recommended that students begin their Calculus sequence (MATH 121, 122, & 223/290) as soon as possible.

Professional Education Courses (total of 33 hours in coursework plus 6 hours for the student teaching; only 700 level courses count towards a master's degree)

		Credits	Semester	Grade
ELPS 450, 770, 771 or 775	Foundations of Education	3		
ELPS 737	Governance and Organization of Schools	3		
C&T 709	Foundations of Curriculum & Instruction	3		
C&T 325 or 807	Multicultural Education	3		
C&T 798	Reading and Writing Across Curriculum	3		
PRE 720 or 725	Tests and Measurements	3		
PRE 704	Advanced Educational Psychology	3		
PRE 703 or 730	Classroom Management	3		
C&T 770 or SPED 729	Introduction to Computing in Education	3		
SPED 725	Psychology of Exceptional Children & Youth	3		
C&T 443	Teaching Methods (fall only, in Lawrence)	3		
C&T 501	Student Teaching Internship (full-time, fall or spring) (note: all other courses must be completed before student teaching)	6		