

**Mathematics Program Requirements for Licensure ONLY  
(Secondary Education Emphasis)**

Course Number	Course Title	Credit Hours	Semester
MA 140	Introduction to Statistics	3	
MA 151	Calculus and Analytic Geometry I	5	
MA152	Calculus and Analytic Geometry II	5	
MA 253	Calculus and Analytic Geometry III	3	
MA 204	Number Theory/Discrete	3	
MA 207	Discrete Mathematics (pre-req PH220)	3	
MA 230	Mathematics for Middle/Secondary	3	
MA 301	Linear Algebra (spring)	3	
MA 354	Abstract Algebra (odd fall; pre-req: MA207)	3	
MA 367	Modern Geometry (odd spring)	3	
MA 371	Real Analysis I (even fall; pre-req: MA207)	3	
MA 381	History of Mathematics (even spring) (OR PH325)	3	
MA 380	Problem Solving Techniques	1	
MA 380	Problem Solving Techniques (taken a second time)	1	
Choose two of the following:			
MA 380	Problem Solving Techniques (taken a third time)	1	
MA 316	Teaching Algebra	1	
MA 317	Teaching Trigonometry	1	
MA 318	Teaching Statistics	1	
MA 388	Capstone Research (fall)	1	
<b>Professional Education</b>			
ED 155	Teaching, Learning, Leadership	1	
ED 165	Examining Teaching as a Profession	3	
ED 275	Exploring Teaching as a Profession	3	
ED 285	Educational Psychology	3	
<b>Apply for Admission to Teacher Education</b>			
ED 295	Experiencing Teaching as a Profession	3	
ED 302	Teaching Exceptional Learners	3	
ED 395	Extending Teaching as a Profession	3	
ED 354	Curriculum and Assessment	3	
ED 363	Methods of Teaching Mathematics in the Secondary Schools (odd fall) (or ED 350 any Fall)	3	
<b>Apply to Student teach one calendar year prior to student teaching semester</b>			
<b>All of these are taken during the Student Teaching Semester:</b>			
ED 400	Understanding the Schools	2	
ED 405	Classroom Management	1	
ED 410	Secondary Student Teaching	12	
<b>Required correlated courses</b>			
PH 220	Logic	3	
CN 150	Speech	3	