

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

Course Number	Course Title	Credit Hours	Semester
MA 151	Calculus and Analytic Geometry I	5	
MA152	Calculus and Analytic Geometry II	5	
MA 253	Calculus and Analytic Geometry III	3	
MA 207	Discrete Mathematics (pre-req PH220)	3	
MA 301	Linear Algebra (spring)	3	
MA 343	Applied Statistics (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 (previously MA 390)	1	
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MA 388	Capstone Research (fall)	1	
Professional Education			
ED 150	E.P.I.C.	1	
ED 225	Becoming an Educational Professional	3	
ED 285	Educational Psychology	3	
Apply for Admission to Teacher Education			
ED 300	Integrating Technology (pre-req: CM105 or CM101)	3	
ED 302	Exceptional Learners (fall, spring) (or SE 476 Summer)	3	
ED 385	Foundations of Education (or ED 472)	3	
RD 484	Reading in the Content Area	3	
Aim to take ED 363 & ED 402 same semester			
ED 363	Methods of Teaching Mathematics in the Secondary Schools (odd fall) (or ED 350 any Fall)	3	
ED 402	Teaching Struggling Learners (pre-req: ED302)	2	
Apply to Student teach one calendar year prior to student teaching semester			
All of these are taken during the Student Teaching Semester:			
ED 400	Understanding the Schools	2	
ED 405	Classroom Management	1	
ED 410	Secondary Student Teaching	12	
Required correlated courses			
PH 220	Logic	3	
CM105	Intro to Computer Science (or CM101)	3	
CN 150	Speech	3	
AN 112	Cultural Anthropology	3	