

Middle Grades Math Courses
2020 Catalog Updates

Required Courses - 24 hours – Select 18 hours for Additional Teaching Field

Course Number	Course Title	Credit Hours	University Studies Requirements Met
MAT 112	Trigonometry	3 hours	Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
MAT 141	Concepts of Mathematics: Number, Operations, and Problem Solving	3 hours	Common Requirements/Critical Reasoning, Foundations/Mathematics and Statistics
MAT 142	Concepts of Mathematics: Geometry, Measurement, and Problem Solving	3 hours	Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
MAT 161	Calculus with Analytical Geometry I	4 hours	Foundations/Mathematics and Statistics, Common Requirements/Critical Reasoning
MAT 243	Concepts and Applications of Discrete Mathematics (<i>offered during even years fall semester</i>)	3 hours	
OR MAT 346	Historical Development of Mathematics	3 hours	Building Competencies/Writing Intensive, Common Requirements/Critical Reasoning
MAT 245	Euclidean Geometry (<i>offered during odd years fall semester</i>)	3 hours	
OR MAT 345	Modern College Geometry	3 hours	
MAT 396	Mathematical Explorations with Technology (<i>offered during spring even years</i>)	3 hours	
OR MAT 275	Axiomatic Systems	3 hours	
STT 215	Introduction to Statistics	3 hours	Foundations/Mathematics and Statistics

*Please check the university catalogue for any prerequisite requirements.

*Candidates may substitute 3 credit hours from a study abroad or an International Studies course that has a demonstrated science component.