

Mathematics Courses

Effective Fall 2023

Course Number	Course	Prerequisites	General Education
Math 101	Mathematical Thinking	Placement Test	Quantitative Reasoning
Math 101A	Mathematical Thinking with Recitation		Quantitative Reasoning
Math 103	Critical Reasoning in Mathematics		Critical Reasoning
Math 110	Concepts of Arithmetic and Number Systems	Placement Test	
Math 110A	Concepts of Arithmetic and Number Systems with Recitation		
Math 113	Concepts of Geometry and Statistics	Placement Test	
Math 113A	Concepts of Geometry and Statistics with Recitation		
Math 118	College Algebra	Placement Test	Quantitative Reasoning
Math 118A	College Algebra with Recitation		Quantitative Reasoning
Math 120	Mathematics for Health Science	Placement Test	Quantitative Reasoning
Math 120A	Mathematics for Health Science with Recitation		Quantitative Reasoning
Math 130	Finite Mathematics	Placement Test	Quantitative Reasoning
Math 130A	Finite Mathematics with Recitation		Quantitative Reasoning
Math 140	Precalculus	Math 118 or Placement Test	Quantitative Reasoning
Math 150	Essentials of Calculus	Math 118 or Placement Test	Quantitative Reasoning
Math 160	Calculus 1	Math 140 or Placement Test	Quantitative Reasoning
Math 170	Calculus 2	Math 160	
Math 220	History of Mathematics	Math 170	Global Perspectives
Math 230	Discrete Structures	Math 130 and Stat 141	
Math 250	Discrete Mathematics	Math 160	Critical Reasoning
Math 260	College Geometry	Math 250	
Math 270	Calculus 3	Math 170	

Course Number	Course	Prerequisites	Gen. Educ.
Math 340	Linear Algebra	Math 250	
Math 350	Introduction to Combinatorics and Graph Theory	Math 250	
Math 355	Coding Theory and Cryptology	Math 250	
Math 360	Modern Geometry	Math 250	
Math 370	Differential Equations	Math 170	
Math 380	Number Theory	Math 170 <u>and</u> Math 250	
Math 401	Financial Mathematics for Actuarial Science	Math 170	
Math 402	Probability Theory for Actuarial Science	Math 170	
Math 410	Mathematical Modeling	Stat 241, Math 340, <u>and</u> (CMSC115 or CMSC120)	
Math 440	Theory of Computation	Math 250, <u>and</u> (CMSC 115 or CMSC120)	
Math 480	Abstract Algebra 1	Math 250	
Math 482	Real Analysis 1	Math 250 <u>and</u> Math 270	
Math 484	Partial Differential Equations	Math 370	
Math 486	Complex Variables	Math 270	
Math 488	Introduction to Topology	Math 480 <u>and</u> Math 482	
Math 490	Abstract Algebra 2	Math 480	
Math 492	Real Analysis 2	Math 482	
Math 498	Independent Study		
Math 499	Honors Independent Study		