

**Math Prerequisites:**

Course	Prerequisite	Additional info
Algebra I	Mathematics, Grade 8 or its equivalent	
Mathematical Models with Applications	Algebra I	
Mathematical Applications in Agriculture, Food, and Natural Resources	Recommended prerequisite: minimum of one credit from courses in the Agriculture, Food, and Natural Resources	
Digital Electronics	No prerequisites	Recommended for grades 11 and 12
Robotics Programming and Design	Proficiency in the knowledge and skills relating to Technology Applications, Grades 6-8	
Geometry	Algebra I	
Algebra II	Algebra I	
Statistics	On level with Algebra II	New in 2015-16
Algebraic Reasoning	On level with Algebra II	New in 2015-16
Precalculus	Geometry and Algebra II	
Mathematical Models with Applications	Algebra I	
Advanced Quantitative Reasoning	Geometry and Algebra II	
Engineering Mathematics	Algebra II	
College Preparatory course		To be developed by ISD and IHE partner
Statistics and Risk Management	Recommended prerequisites: Accounting I and Algebra II	
Discrete Math for Problem Solving	Algebra II	Adopted 2013
Independent Study in Mathematics	Geometry and Algebra II	Students may repeat this course with different course content for up to three credits. Content requirements. Students will extend their mathematical understanding beyond the Algebra II level in a specific area or areas of mathematics, such as theory of equations, number theory, non-Euclidean geometry, advanced survey of mathematics, or history of mathematics.

AP Statistics	Recommended prerequisites: Algebra II, Geometry	
AP Calculus AB or BC	Recommended prerequisite: Precalculus	
IB mathematical Studies Standard Level	Recommended prerequisites: Algebra II, Geometry	
IB Mathematics Standard level	Recommended prerequisite: IB Mathematical Studies Standard Level or IB Mathematics Standard Level	
IB Mathematics Higher Level	Recommended prerequisite: IB Mathematical Studies Standard Level or IB Mathematics Standard Level	
Advanced Placement (AP) Computer Science		Content requirements for Advanced Placement (AP) Computer Science A are prescribed in the College Board Publication Advanced Placement Course Description: Computer Science A, published by The College Board