

Mathematics: Grade-level and Course Overview



Grade/Course		Number of Standards	
Mathematics – Kindergarten		25	
Mathematics – Grade 1		23	
Mathematics – Grade 2		27	
Mathematics – Grade 3		27	
Mathematics – Grade 4		28	
Mathematics – Grade 5		26	
Mathematics – Grade 6		29	
Mathematics – Grade 7		26	
Mathematics – Grade 8		31	
Prescribed Mathematics Courses			
Integrated Pathway		Traditional Pathway	
Course	Number of Standards	Course	Number of Standards
High School Mathematics I	48	High School Algebra I	37
High School Mathematics II	48	High School Geometry	48
Personalized Mathematics Courses* (Third and Fourth Course Options)			
Courses Required to Be Offered			
Course	Number of Standards		
Applied Statistics	29		
High School Algebra II – Mathematics III	39		
High School Trigonometry/ Pre-calculus – Mathematics IV	39		
Transition Mathematics for Seniors	50		
Additional Course Options			
Advanced Mathematical Modeling	38		
Calculus	23		
Computer Science and Mathematics	44		
Data Science	42		
Financial Algebra/Mathematics	37		
Introduction to Mathematical Applications	43		
Quantitative Reasoning	42		
Statistics	57		

AP®, Dual Credit, or IB® Mathematics course, County-created and Approved Math Courses higher than Algebra II/Mathematics III, or Mathematics college courses

*Students should consult with their chosen post-secondary educational/training institution when choosing course options and electives. School teams, including counselors, teachers, and administrators, should confer with the student and his/her parents/guardians to decide what third- and fourth-year mathematics courses best meet the needs of the student.



West Virginia DEPARTMENT OF EDUCATION