

High School Mathematics Sequence

Read sequences from left to right.

Though other sequences are possible, most students will select one of the options below as they develop their 4-Year Graduation Plans. **It is recommended that students take one math course per year.** Some students, depending upon their performance and/or interest, may elect to take additional courses. Students should discuss their Plans with their teachers, counselors, and parents. *Not all sequences are offered at all Wake County High Schools. Please see your school's math department chair or Dean of Students for your school's specific information.*

Minimal math course/credit required to complete the **Career Prep** Course of Study
 Minimal math course/credit required to complete the **College Tech Prep** Course of Study
 Minimal math course/credit required to complete the 4-credit **College/University Prep** Course of Study
 Optional extended sequence

	Course 1	Course 2	Course 3	Course 4	Course 5
Sequence A	Introductory Math	Algebra I: Part 1 (elective)	Algebra I: Part 2	Tech I	Tech II
Sequence B	Algebra I: Part 1 (elective)	Algebra I: Part 2	Tech Math I	Tech Math II	Geometry
Sequence C	Algebra I: Part 1 (elective)	Algebra I: Part 2	Geometry	Algebra II	Adv Functions & Modeling
Sequence D	Algebra I with Technology: Part 1 (elective)	Algebra I with Technology: Part 2	Tech Math I	Tech Math II	Geometry
Sequence E	Algebra I with Technology: Part 1 (elective)	Algebra I with Technology: Part 2	Geometry	Algebra II	Adv Functions & Modeling

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	Course 1	Course 2	Course 3	Course 4	Course 5
Sequence F	Algebra I Plus	Geometry	Algebra II	Adv Functions & Modeling	ICM or Trig
Sequence G	Algebra I Plus	Honors Geometry	Honors Algebra II	Pre-Calculus	AP Calculus AB
Sequence H	Algebra I	Geometry	Algebra II	Adv Functions & Modeling	AP Stats, ICM, Trig, or Discrete
Sequence I	Algebra I	Honors Geometry	Honors Algebra II	Pre-Calculus	AP Calculus AB
Sequence J	Geometry	Algebra II	Adv Functions & Modeling	ICM or Trig	AP Calculus AB
Sequence K	Honors Geometry	Honors Algebra II	Pre-Calculus	AP Calculus AB or AP Stats	AP Calculus BC
Sequence L	Honors Algebra II	Pre-Calculus	AP Calculus AB or AP Stats	AP Calculus BC	Mathematical Analysis

NOTE: In order to satisfy the University of North Carolina System's requirements, students must complete at least one of the following courses: Discrete Math, Advanced Functions and Modeling, Pre-Calculus, AP Statistics, AP Calculus AB, AP Calculus BC.

- ***Advanced Functions and Modeling*** is not an honors level course
- A student cannot receive math graduation credit for both ***Algebra I*** and ***Algebra I: Part 2, Algebra I with Technology: Part 2, or Algebra I Plus***. Either course may be taken after the other as an elective if the student feels a need to strengthen his/her algebra skills.