

Council Grove High School Math Course Sequences

Two typical or common sequences for students are listed below. Either sequence will enable all students to get the necessary curriculum for the state assessment given either their sophomore or junior year. The underlining represents the end of the three required credits of math.

Algebra IA	Algebra I	
Algebra IB	Geometry	(Geo & Alg 2 could
<u>Geometry</u>	<u>Algebra 2</u>	be taken concurrently)
Algebra 2	Trig and/or College Algebra (Pre-Calculus)	
	Calculus I	(Trig and Calc I could
		be taken concurrently)

Trigonometry is a one-semester course that covers trigonometric ratios and functions, trig graphs to model real-world phenomena, simplifying and solving trig equations, complex numbers, and the polar coordinate system. The prerequisites are to pass Geometry and Algebra 2 with C's or better.

College Algebra is a one-semester course available for dual credit (CGHS and Butler CCC). The CGHS prerequisites are to pass Algebra 2 with a C or better. The BCCC prerequisites are an ACT math score of at least 21 or Intermediate Algebra Asset test placement score of 45, or Butler Co. MA 120/MA 125 with a C or better. The student will need to purchase the textbook and pay for the college credit.

Pre-Calculus is a one-semester course without the dual credit. Pre-Calculus will cover many of the same concepts that are covered in College Algebra. CGHS prerequisites are to pass Algebra 2 with a C or better.

Analytical Geometry and Calculus I (Calculus I) is a year-long course covering the same topics as a typical one-semester college Calculus I course. It will not be offered at CGHS for college credit. The purpose of the course is to prepare students to be successful in a college Calculus I course (where the pace is much, much faster). Trigonometry must be taken prior to or concurrently with the course.