

Math Course Sequencing

St. Joseph Central Catholic High School

	TRACK 1	TRACK 2	TRACK 3	TRACK 4
Freshman	Algebra I	Algebra I	Geometry **If a final grade of C or higher was not received in Algebra I, it is in the student's best interest to repeat Algebra I**	Geometry AND Advanced Algebra II **Must have an Algebra I grade of an A, receive an 85% or better on an entrance exam, AND have a written recommendation from your Algebra I teacher to double in these courses**
Sophomore	Geometry	Geometry AND Advanced Algebra II	Algebra II or Advanced Algebra II	Trigonometry/Pre-Calculus
Junior	Algebra II or Advanced Algebra II	Trigonometry/Pre-Calculus	Trigonometry/Pre-Calculus	AP Calculus AB
Senior	College Algebra/Trig (MTH 127 and 122) and/or Statistics (MTH 225) or Trigonometry/Pre-Calculus or College Algebra (non – dual credit)	AP Calculus AB and/or College Algebra/Trig (MTH 127 and 122) and/or Statistics (MTH 225)	AP Calculus AB and/or College Algebra/Trig (MTH 127 and 122) and/or Statistics (MTH 225)	AP Calculus BC and/or College Algebra/Trig (MTH 127 and 122) and/or Statistics (MTH 225)
<i>Any student wishing to deviate from these tracks must receive written approval from the math department and the counselor.</i>				

Notes:

1. The **ONLY** reason a student should “double” in math is to take Calculus AB/BC. A student can receive credit in all other courses without taking two math classes in one year.
2. College Algebra (MTH 127) and College Trig (MTH 122) are reserved for seniors only.
3. Due to Pre-requisites, the only “doubling” options permitted will be the following courses:
 - a. Geometry and Advanced Algebra II
 - b. AP Calculus AB or AP Calculus BC with College Algebra/College Trigonometry and/or Statistics

Required Courses:

Students are required to take the following courses to graduate:

Algebra I

Geometry

Algebra II

One elective listed below

Pre-requisite: Algebra I

Pre-requisite: Algebra I

Pre/Co-Requisite: Geometry

Electives:

College Algebra: **NON – DUAL CREDIT**

{ College Algebra (MTH 127 dual credit)

{ College Trigonometry (MTH 122 dual credit)

Introductory Statistics (MTH 225 dual credit)

Trigonometry/Pre-Calculus

AP Calculus AB

AP Calculus BC

Pre-requisite: 19 or higher in math on the ACT

1st Semester Only

Pre-requisite: MTH 127 or 22 in math on the ACT **2nd Semester Only**

Pre-requisite: 21 or higher in math on the ACT or MTH 127

Pre-requisite: Algebra II

Pre-requisite: Trigonometry/Pre-Calculus

Pre-requisite: AP Calculus AB

Any student wishing to take two math classes in one year must receive written approval from the math department and the counselor.