

# Math Course Sequencing

## St. Joseph Central Catholic High School

	TRACK 1	TRACK 2	TRACK 3	TRACK 4
<b>Freshman</b>	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 <b>AND</b> Advanced Algebra II  **Must have an Algebra I grade of an A, receive an 85% or better on an entrance exam, <b>AND</b> have a written recommendation from your Algebra I teacher to double in these courses**
<b>Sophomore</b>	Geometry	Geometry <b>AND</b> Advanced Algebra II  **Must have an Algebra I grade of an A, receive an 85% or better on an entrance exam, <b>AND</b> have a written recommendation from your Algebra I teacher to double in these courses**	Algebra II or Advanced Algebra II	Advanced Trigonometry/Pre-Calculus (MTH 122)
<b>Junior</b>	Algebra II or Advanced Algebra II	Trigonometry/Pre-Calculus or Advanced Trigonometry/Pre-Calculus (MTH 122)	Trigonometry/Pre-Calculus or Advanced Trigonometry/Pre-Calculus (MTH 122)	AP Calculus AB
<b>Senior</b>	Trigonometry/Pre-Calculus (Regular or Advanced (MTH 122)) or Concepts & Applications (MTH 121B)	AP Calculus AB and/or College Algebra/Statistics (MTH 127 and STA 225) and/or Concepts & Applications (MTH 121B)	AP Calculus AB and/or College Algebra/Statistics (MTH 127 and STA 225) and/or Concepts & Applications (MTH 121B)	AP Calculus BC and/or College Algebra/Statistics (MTH 127 and STA 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)/Statistics (STA 225) and Concepts & Applications (MTH 121B) are reserved for seniors.
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 Statistics.
4. Students must take a math class **every** year in which they are enrolled at St. Joseph Central Catholic High School.

**Required Courses:**

Students are required to take the following courses to graduate:

Algebra I

Geometry

Pre-requisite: Algebra I

Algebra II (Advanced and Regular)

Pre-requisite: Algebra I

Pre/Co-Requisite: Geometry

One elective listed below

**Electives:**

Concepts & Applications (MTH 121B dual credit)

Pre-requisite: Algebra II and an ACT score (no score requirement)

{ College Algebra (MTH 127 dual credit)

Pre-requisite: 19 or higher in math on the ACT **1<sup>st</sup> Semester**

{ College Statistics (STA 225 dual credit)

Pre-requisite: MTH 127 or 21 in math on the ACT **2<sup>nd</sup> Semester**

Adv. Trigonometry/Pre-Calculus (MTH 122 dual credit)

Pre-requisite: Algebra II and 22 in math on the ACT (9<sup>th</sup>/10<sup>th</sup> grade requirements differ)

Trigonometry/Pre-Calculus

Pre-requisite: Algebra II

AP Calculus AB

Pre-requisite: Trigonometry/Pre-Calculus

AP Calculus BC

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.*