



# MARQUETTE UNIVERSITY HIGH SCHOOL

For Faith, Scholarship and Community

## Math Placement and Course Selection

In order to determine math placements, the math department of Marquette University High School uses standardized test scores, teacher recommendations, and its own assessment of Algebra 1 skills, administered in late spring each year (typically late April / early May). There are several typical paths available to MUHS students:

	College Preparatory	Honors	Advanced Honors
9th grade	Algebra 1	Honors Algebra 1 and 2	Honors Geometry and Algebra 2
10th grade	Advanced Geometry	Honors Geometry and Algebra 2	AP Precalculus+
11th grade	Advanced Algebra 2 and Trigonometry	AP Precalculus+	AP Calculus AB <u>or</u> AP Calculus BC
12th grade	AP Precalculus	AP Calculus AB <u>or</u> AP Calculus BC	AP Calculus BC <u>or</u> Multivariable Calculus

(Please note that AP Precalculus+ adds additional material not covered in AP Precalculus to prepare students for the AP Calculus AB and BC examinations).

If a student has completed Geometry and has a transcript from an accredited high school with a grade of B or higher, two additional options are available:

	Scenario 1	Scenario 2
9th grade	Honors Algebra 1 and 2	AP Precalculus+
10th grade	AP Precalculus+	AP Calculus AB <u>or</u> AP Calculus BC
11th grade	AP Calculus AB <u>or</u> AP Calculus BC	AP Calculus BC <u>or</u> Multivariable Calculus
12th grade	AP Calculus BC <u>or</u> Multivariable Calculus	Multivariable Calculus <u>or</u> Distance Learning course

The math department uses the following guidelines to place incoming freshmen into one of the five plans seen above. On rare occasions, a student may have completed Precalculus prior to entering high school and those situations are handled on a case-by-case basis.

Guidelines (last revised January 2024):

- All students who score below 40 on the Mathematics National Percentile component (MTNP) of the HSPT **must** enroll in the **College Preparatory** option; these students should not register to take the MUHS Mathematics Placement Test. An exception may be made if the student has a standardized test score at the 80th percentile or above and completes the MUHS Mathematics Placement test.
- Students whose MTNP score is greater than or equal to 40 but less than 75 will be placed into the **College Preparatory** option but may take the MUHS Mathematics Placement Test to attempt to qualify for the **Honors** option.
- Students whose MTNP score is greater than or equal to 75 will be placed into the **Honors** option, as long as they have completed the equivalent of Algebra 1 at their grade school or middle school prior to leaving eighth grade. These students may take the MUHS Mathematics Placement Test to attempt to qualify for the **Advanced Honors** option. The decision to place a student into the **Advanced Honors** option is based on the Mathematics Placement Test, MTNP, and eighth grade teacher recommendation.
- Students whose MTNP score is greater than or equal to 90 will be placed into the **Advanced Honors** option, as long as they have completed the equivalent of Algebra 1 at their grade school or middle school prior to leaving eighth grade.
- A student who has taken Geometry from an accredited high school will be placed into **Scenario 1**. If the student wishes, they may take the MUHS Mathematics Placement Test to attempt to qualify for **Scenario 2**. The decision to place a student into **Scenario 2** is based on the Mathematics Placement Test, MTNP, and eighth grade teacher recommendation.
- A student who has taken Geometry in eighth grade, but not from an accredited high school, is initially placed into either the **College Preparatory**, **Honors**, or **Advanced Honors** options based on their MTNP score. If the student wishes to be placed into **Scenario 1** or **Scenario 2**, they must take a special version of the MUHS Mathematics Placement Test which assesses both Algebra and Geometry skills.
- A parent is always able to request a lower track if they think it is in the best interest of their child. For example, a student placed into **Scenario 2** can be moved to **Scenario 1** based on the parent's request.

Registration information for the MUHS Mathematics Placement test will be sent out in early spring by the Admissions Department. Please have your son's MTNP (available on their HSPT report) when you register for this test. The Admissions department can provide you with that score if needed.

Families are always welcome to contact the math department chair if they have any questions or concerns about their son's mathematics placement at MUHS. Please contact Mr. Christopher Reis at [reis@muhs.edu](mailto:reis@muhs.edu) if you have any questions or concerns.