

"Do I need to take the Math Placement Test?"

If you are pursuing or plan to pursue a major or pre-health track that has a calculus requirement, you will need **Math Placement Testing** unless you have an exemption (see other side of handout).

Placement Testing is also required for MATH 125 and CS 112; however, any major that requires these courses also requires MATH 113.

The programs listed reflect the **minimum** Calculus requirement for that major. Additional higher level math courses may also be required.

The two semester sequence of MATH 123 & 124 is the equivalent of MATH 113 and can be taken instead.

MATH 113 can satisfy the MATH 108 requirement, but MATH 108 cannot satisfy the MATH 113 requirement.

Placement testing is **not** required for MATH 106, MATH 110, or MATH 111.

For more information about program requirements for majors: <https://catalog.gmu.edu/programs/>
for pre-health: <https://prehealth.gmu.edu/professions/>



Majors



Pre-health

Programs with a Calculus Requirement



MATH 108

Business, Costello
Economics (BA), CHSS
Information Technology, CEC

MATH 113

Applied Computer Science, CEC
Astronomy, COS
Atmospheric Sciences, COS
Bioengineering, CEC
Chemistry (BA & BS), COS
Civil & Infrastructure Engineering, CEC
Computational and Data Sciences, COS
Computer Engineering, CEC
Computer Science, CEC
Cyber Security Engineering, CEC
Economics (BS), CHSS
Electrical Engineering, CEC
Forensic Science, COS
Geography (BS), COS
Geology (BS), COS
Mathematics (BA & BS), COS
Mechanical Engineering, CEC
Neuroscience, COS
Physics, COS
Statistics, CEC
Systems & Industrial Engineering, CEC
Undeclared/Undecided Engineering, CEC

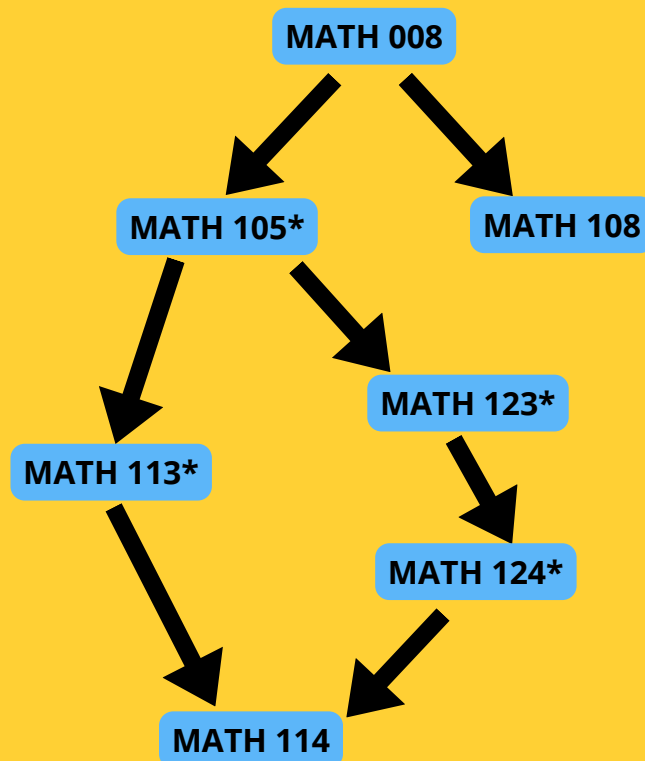
Pre-Optometry
Pre-Pharmacy
Pre-Veterinary Medicine
Pre-Medicine (recommended)
Pre-Physical Therapy (recommended)
Pre-Physician Assistant (recommended)

"What score do I need on the Math Placement Test?"

If you do not earn a score for direct placement into the course you need for your program, you will need to follow the sequence below starting with the course that you place into.

You are, however, encouraged to remediate and retake the exam to earn the score you need for direct placement.

Score	Placement
0-54	MATH 008 (self-paced Algebra course)
55-64	MATH 105 Precalculus
55-100	MATH 108 Business Calculus
65-100	MATH 123 Calculus I with Precalculus (part A) MATH 125 Discrete Mathematics
80-100	MATH 113 Calculus I CS 112 Intro to Computer Programming



*A grade of C or better is required to continue to the next course in the sequence

For more information about Math Placement Testing:

<https://science.gmu.edu/academics/departments-units/mathematical-sciences/mathematical-sciences-testing-center>



PLACEMENT TEST EXEMPTIONS

- A score of 3 or higher on AP Calculus exam will allow placement into Math 113 and CS 112. Students will also receive credit for Math 123 and may choose to take Math 124 to fulfill their Calculus I requirement.*
- A score of 4 or higher on IB HL Analysis and Approaches exam will allow placement into Math 113 and CS 112.*
- Students who have received transfer credit for Math 103T may register for Math 105, Math 108, or Math 125.

*department override required, see website for Course Override Form