

Mathematics Placement Examination

The Mathematics Placement Examination is required for all students who plan to **major or minor** in any of the following: **Biology, Biochemistry, Chemistry, Computer Science, Economics, Engineering, Environmental Science, Health Science, Mathematics, Physics, Pre-med or Pre health, Psychology (B.S. Option only) and Undecided Science**. Based on their performance, students will be placed in MATH 101, 115, 116, 120, 211 or 231. A student with these majors is exempt from the Mathematics Placement Examination if they transfer a college-level mathematics course equivalent* to Precalculus or higher or if they have AP credit for Calculus AB or BC with a score of 4 or higher.

Students who plan to major in the following: **Anthropology, Art, Comparative Women's Studies, Dance Performance and Choreography, Documentary Film Making, Education, English, Environmental Studies (not Environmental Science), World Languages and Literature, History, International Studies, Music, Philosophy, Photography, Political Science, Psychology (B.A. Option), Religious Studies, Sociology, Theater and Performance, and Undecided Non-science** are required to enroll in **MATH 107: Contemporary Mathematics**. A student with these majors is exempt from this course if they transfer a college-level mathematics course equivalent* to MATH 107 or has AP credit for Statistics with a score of 3 or higher or Calculus AB or BC with a score of 4 or higher. Students may elect to take the Mathematics Placement Examination to be exempt from SMAT 107. A student is exempt, based on her placement score, if they demonstrate proficiency in algebra and precalculus.

Exemption via the Math placement exam does not carry any course credit.

The Mathematics Placement Examination assesses students on algebra skills and precalculus. Topics include, but are not limited to the following: performing arithmetic operations on real numbers, manipulating exponents, factoring polynomial expressions, graphing basic functions and their transformations (linear, quadratic, cubic, absolute value, trigonometric, exponential, logarithmic), solving algebraic equations and inequalities, simplifying rational expressions, solving systems of equations, manipulating matrices, and trigonometry (right triangle trigonometry, Pythagorean Theorem, unit circle)

How do I take the Mathematics Placement Examination?

The Mathematics Placement Examination will take place in August before your arrival. Students who are required or elect to take the placement exam **MUST** register for a scheduled time slot. **Registration for the Mathematics Placement Assessment will begin in July.** Instructions for registering will be provided in the portal.

***Equivalency can only be determined by the Spelman College Registrar's Office, in consultation with the Office of Undergraduate Studies.**