Prerequisites and Advanced Placement (AP) for the Initial Math Sequence

The Tandon School of Engineering provides students the opportunity to receive credit based on performance in college-level examinations or proficiency examinations related to degree requirements. The results of Advanced Placement (AP) examinations and some foreign maturity certificate examinations may be applied to the School of Engineering’s math sequence.

Students who receive a 4 on the Advanced Placement AB examination will receive 2 credits for Calculus IA, MA-UY 1012; students in this category will need to complete Calculus IB, MA-UY 1022, in order to complete the first calculus course. Students who receive a 5 on the AB exam will receive 4 credits for Calculus I, MA-UY 1024.

Students who receive a 4 or better on the Advanced Placement BC examination will receive 6 credits for Calculus I, MA-UY 1024, and Calculus IIA, MA-UY 1112; these students will need to complete a two-credit bridge course, MA-UY 1132, in order to complete the calculus sequence.

Special Note for Business & Technology Management and Biomolecular Science Majors:

Students pursuing one of the abovementioned majors who receive a 4 or better on the Advanced Placement AB examination will receive 4 credits for Calculus I with Precalculus, MA-UY 1054. Students who receive a 4 or better on the Advanced Placement BC examination will receive 8 credits for Calculus I with Precalculus, MA-UY 1054, and Calculus II with Precalculus, MA-UY 1154.

Please note, these guidelines are for students enrolled in the School of Engineering. For all other schools, please check with your advisor.

Students interested in enrolling in Calculus I, must satisfy one (1) of the following prerequisites:

1. A level Maths score of B or higher
2. Completion of MA-UY 914: Precalculus for Engineers or Equivalent
3. Diagnostic Examination
4. Advanced Placement AB score of 4 or better

Updated 3/21/2017
Students interested in enrolling in Calculus IB, MA-UY 1022, must satisfy one (1) of the following prerequisites:

1. Advanced Placement AB score of 4 or higher
2. Completion of MA-UY 1012: Calculus IA
3. Completion of MA-UY 1054: Calculus I with Precalculus

Students interested in enrolling in Calculus II, must satisfy one (1) of the following prerequisites:

1. A level Maths score of A or higher
2. Completion of MA-UY 1024: Calculus I or Equivalent
3. Completion of MA-UY 1022: Calculus IB
4. Advanced Placement AB score of 5

Students interested in enrolling in Numerical Methods for Calculus, MA-UY 1132, must satisfy one (1) of the following prerequisites:

1. Advanced Placement BC score of 4 or higher
2. Completion of MA-UY 1154: Calculus II with Precalculus

Students interested in enrolling in both Numerical Methods for Calculus, MA-UY 1132, and Linear Algebra & Differential Equations, MA-UY 2034, must satisfy the following prerequisites:

1. Advanced Placement BC score of 5
2. Diagnostic Examination (Qualifying score= 90%)
3. Approval from academic advisor (Note: MA-UY 2034 will be not be approved in lieu of a required first year course.)