

Taking Calculus at Union University

Current Students, Priority Registration for Fall or Spring

Key to course numbers:

MAT 111: College Algebra

MAT 112: Trigonometry

MAT 116: Precalculus

MAT 116P: Calculus Placement

MAT 211: Calculus and Analytic Geometry I

MAT 212: Calculus and Analytic Geometry II

MAT 213: Calculus and Analytic Geometry III

Course prerequisite guide

Course	Prerequisite
MAT 213	MAT 212
MAT 212	MAT 211
MAT 211	One of the following: (1) MAT 116; (2) MAT 111 and MAT 112; (3) Math ACT score of 29 or higher; or (4) a passing score on the calculus readiness test

Course transfer guide

1. In order to transfer in as MAT 116, a precalculus course must serve as that college's prerequisite to their mainstream calculus I course.
2. "Precalculus Algebra" usually transfers in as MAT 111 College Algebra.
3. "Precalculus Trigonometry" usually transfers in as MAT 112 Trigonometry.
4. "Business Calculus" and "Calculus for the Social Sciences" usually transfer in as MAT 201 Applied Calculus, which is not equivalent to MAT 211 and does not serve as a prerequisite for MAT 211.
5. A score of 3 or higher on the Calculus AB exam gives credit for MAT 211.
6. A score of 3 or higher on the Calculus BC exam gives credit for both MAT 211 and MAT 212.
7. A sufficient score on the CLEP College Algebra exam gives credit for MAT 111.
8. A sufficient score on the CLEP Precalculus exam gives credit for MAT 116.

Students with college mathematics credit:

1. Make sure that any necessary transcripts have been received by Union and that credit has been recorded.
2. If you believe that a course has not transferred correctly to Union, read the "course transfer guide" above and consult the catalog course descriptions of the college granting the credit before contacting the academic center.
3. If you have the prerequisite courses as per the course prerequisite guide, you may enroll in the appropriate course.

Students scoring 29 or higher on the mathematics portion of the ACT (or SAT math 650 or higher):

1. You may enroll in MAT 211 (assuming you have learned some trigonometry).
2. If you have taken a calculus course for college credit, see the section "Students with college mathematics credit" above for possible additional options.

Students scoring 22 or below on the mathematics portion of the ACT (or SAT math 530 or below):

1. We highly recommend that you complete credit for MAT 116 (or both of MAT 111 and MAT 112) before taking calculus at Union.
2. If you have taken a mathematics course for college credit, see the section "Students with college mathematics credit" for possible additional options.

3. If (2) does not apply, enroll in MAT 116.

Students scoring 23–28 on the mathematics portion of the ACT (or SAT math 540-640):

1. Knowledge of trigonometry is required for calculus. If you have not learned trigonometry, then enroll in MAT 116.
2. If you have taken a mathematics course for college credit, see the section “Students with college mathematics credit” above for possible options.
3. If you have knowledge of trigonometry but do not have college credit for prerequisites for calculus, then you may take the Calculus Readiness Test (CRT) in order to determine if you are ready to take calculus. Proceed as follows:
 - a. Choose a time slot when you would like to take calculus (MAT 211). Then enroll in two sections:
 - i. Enroll in the section of MAT 116P Calculus Placement that lists the same time slot as the calculus course you wish to take.
 - ii. Enroll in the Calculus Readiness Test, MAT 000PT in a summer term (for fall enrollment) or the October term (for spring enrollment). This is a 0-credit offering for which you will not be charged.
 - b. The Calculus Readiness Test is accessed through the MAT 000PT course in Canvas. This online test should take approximately 40 minutes, and results are immediate. Students are allowed two attempts at the test. The test may be taken any time during the term of enrollment. Further information is available from Megan Murphy, CRT Coordinator, at mmurphy@uu.edu.
 - c. After the term in which the CRT is taken, when all results from the CRT are complete, students will be moved to the section of MAT 116 or MAT 211, as appropriate, that meets in the same time slot as the MAT 116P in which the student was enrolled. If, due to high enrollment in a particular section, we need to place you into a section meeting at a different time, we will do so without changing other courses you are taking; you will be notified of the change by an email from the CRT Coordinator.

AP enrollment guide:

If your college credit for calculus is due to passing an AP exam, use the following guide for advice:

1. A student scoring 4 or 5 on the Calculus AB exam may enroll in MAT 212.
2. We recommend that a student scoring 3 on the Calculus AB exam take MAT 211 before taking MAT 212, but the student is allowed to enroll in MAT 212.
3. A student scoring 4 or 5 on the Calculus BC exam may enroll in MAT 213. Enrollment in MAT 212 is also chosen by many such students and should be considered as an option.
4. We strongly recommend that a student scoring 3 on the Calculus BC exam begin with MAT 211 or MAT 212, but the student is also allowed to enroll in MAT 213.

FAQ page: <http://www.uu.edu/dept/math/crt.cfm>