

Advanced Placement Mathematics
(APM)

APM 131 AP Calculus and Analytic Geometry I
5 Hours

Prerequisites: MAT 111 or equivalent. Also, students enrolled in this course will be required to receive a minimum core of 46 on the college trigonometry domain of the Compass test.

5 hours weekly

This course will cover the basic concepts and techniques of single-variable calculus. Although careful definitions and statements will be given, emphasis on formal proofs will be minimal. Topics include limits and differentiation and integration of elementary functions with associated analytic geometry. Students who successfully complete this course fulfill the general education mathematics requirement at John A. Logan College. This course provides eligible high school students a way to earn credit for their high school calculus course as well as the equivalent John A. Logan College's MAT 131 course. To receive credit, a student must receive a minimum score of 3 on the Advanced Placement Exam.

This course is a dual credit class equivalent to MAT 131. The successful student will be required to pass a departmental competency exam with at least 80% proficiency. Contact the Mathematics Department chair for more information.