

DUAL ENROLLMENT MATH COURSES

MAC 1105	COLLEGE ALGEBRA (3 credits/ECC)	Grades 11-12
	1/2 credit	
MAC 1147	PRECALCULUS ALGEBRA/TRIGONOMETRY (5 credits/ECC)	Grades
11-12	1/2 credit	
<i>Prerequisite:</i>	<i>See Honors Criteria</i>	

This is a course for well-prepared advanced mathematical students only. First semester topics will include, but not be limited to, exponential and logarithmic functions, circular and trigonometric functions, inverse functions, polynomial functions, sequences and limits, elementary matrices and selected topics in analytic geometry. A graphing calculator is required for this course. The second semester course is designed to be a rigorous approach to sequence, series, functions and limits leading to an understanding of the derived function. Emphasis is placed on proofs and the use of the graphing calculator. The course is intended for those students who desire to continue with advanced study in the area of calculus.