

General Education Map for MATH 127

General Education Objective	Learning Outcomes	Measures
<p>Demonstrate knowledge of mathematical notation and concepts</p>	<p>At the end of the course, students should be able to:</p> <p>Compute values of the six trigonometric functions and their inverses</p> <p>Solve equations involving trigonometric functions and their inverses.</p> <p>Express complex numbers in trigonometric form and perform operations with them.</p> <p>Describe and define arithmetic and geometric sequences and series and make effective use of sigma notation</p> <p>Correctly use the Principle of Mathematical Induction and the Binomial Theorem.</p>	
<p>Apply mathematical concepts and operations in proper written or graphical format</p>	<p>Analyze and draw the graphs of the six trigonometric functions and their inverses.</p> <p>Analyze and draw the graphs of parametric and polar equations and convert between Cartesian and polar coordinates.</p> <p>Analyze and graph equations representing conic sections.</p>	
<p>Apply relevant mathematical skills in solving real-world problems</p>	<p>Solve right and oblique triangles</p> <p>Perform operations with vectors and use vectors to solve real-world problems.</p>	