

Mathematics Pathway, AA

Program Learning Outcomes (PLOs)	Measurable Student Learning Outcomes (MSLOs)- PLO Alignment						
	ENG101	ENG102	PHY121	PHY122	MAT221	EDU221	POS220
1. Demonstrate knowledge of proportional relationships, spatial reasoning, algebra, geometry, trigonometry, and calculus.			✓	✓	✓		
2. Demonstrate the interconnectedness of mathematical ideas and how they build on one another.			✓	✓	✓		
3. Use patterns and relationships to make generalizations and predictions.					✓		
4. Present information accurately in various ways (graphically, numerically, symbolically, and verbally).					✓		
5. Apply appropriate mathematical strategies and reasoning to solve problems.	✓		✓	✓	✓	✓	
6. Justify mathematical processes and results.	✓	✓	✓	✓	✓	✓	
7. Use technology to assist in learning and investigating mathematical ideas.			✓	✓	✓		
8. Determine and apply appropriate technologies to solve problems efficiently.			✓	✓	✓		
9. Critically evaluate information for relevance, usefulness, and applicability.	✓	✓	✓	✓	✓	✓	✓
10. Communicate mathematics both orally and in writing using appropriate terminology and notation.	✓	✓				✓	
11. Collaborate effectively and appropriately in a diverse, multicultural setting to solve problems.	✓	✓				✓	✓
12. Critique the reasoning of others.	✓	✓				✓	✓