

BA Mathematics Program Learning Goals and Outcomes

PROGRAM LEARNING GOAL	PROGRAM LEARNING OUTCOME
<p>Learning Goal 1 Students will be able to demonstrate an understanding and appreciation of the nature of science and mathematics.</p>	<p>Learning Outcome 1.1 Students will know the fundamental facts, principles, and concepts of the discipline.</p>
	<p>Learning Outcome 1.2 Students will be able to utilize appropriate technology and instruments to solve problems.</p>
	<p>Learning Outcome 1.3 Students will be able to effectively employ technical materials in their coursework and research.</p>
	<p>Learning Outcome 1.4 Students will be able to explain and apply the concepts of single and multivariable calculus.</p>
<p>Learning Goal 2 Students will be able to reason mathematically.</p>	<p>Learning Outcome 2.1 Students will be able to distinguish between valid and invalid results.</p>
	<p>Learning Outcome 2.2 Students will be able to solve problems in context.</p>
	<p>Learning Outcome 2.3 Students will be able to construct and analyze proofs.</p>

PROGRAM LEARNING GOAL	PROGRAM LEARNING OUTCOME
<p>Learning Goal 3 Students will be able to communicate effectively.</p>	<p>Learning Outcome 3.1 Students will be able to interpret and display data.</p>
	<p>Learning Outcome 3.2 Students will be able to summarize scientific and mathematical concepts for a general audience.</p>
	<p>Learning Outcome 3.3 Students will be able to summarize and support arguments in the language of the discipline.</p>