

## Academic Learning Compact

***Degree Program: Mathematics (BS) (CIP Code 27.0101)***

Intended Program Student Learning Outcomes	Direct and Indirect Measures	
	Direct Method of Assessment	Indirect Method of Assessment
<b>Outcome 1: [Communication Skills]</b> Demonstrate proficiency in the use of computer-based technology as measured by the ability to input data and interpret numerical results.	<u><b>Direct Measure(s)</b></u> Portfolio evaluation	<u><b>Indirect Measure(s)</b></u> Exit Survey
<b>Outcome 2: [Critical Thinking Skills]</b> Demonstrate proficiency in identifying and solving ordinary differential equations, MAP 2302.	<u><b>Direct Measure(s)</b></u> Portfolio evaluation	<u><b>Indirect Measure(s)</b></u> Exit Survey
<b>Outcome 3: [Critical Thinking Skills]</b> Students will be able to remember, select and calculate limits, derivatives, definite and indefinite integrals.	<u><b>Direct Measure(s)</b></u> Grading with criteria or rubric	
<b>Outcome 4: [Content/Discipline Knowledge and Skills]</b> Demonstrate knowledge of content of theoretical principles in Analysis, Algebra/Number Theory, and Applied Mathematics.	<u><b>Direct Measure(s)</b></u> Portfolio evaluation	<u><b>Indirect Measure(s)</b></u> Exit interviews
<b>Outcome 5: [Content/Discipline Knowledge and Skills]</b> Demonstrate proficiency in the following specific areas of College Algebra (MAC 1105): Students will be able to: <ul style="list-style-type: none"> <li>- identify functions and use functional notation;</li> <li>- graph functions and relations;</li> <li>- perform operations on functions.</li> </ul>	<u><b>Direct Measure(s)</b></u> Grading with criteria or rubric	<u><b>Indirect Measure(s)</b></u> Matriculation Review