MGA – Academic Program
Assessment Plan and Curriculum Map

On which campuses is the program offered? Macon | *College/School:* Computing | *Department:* Mathematics & Statistics

Academic Degree: B.S. | *Major:* Mathematics | *Track (if applicable):* General Mathematics & Secondary Education

Assessment Plan
How will a student know they are learning what they need to learn to be successful when they graduate?

Please identify which type of learning activity will be used to teach the learning goal. Also identify the learning objective associated with the learning goal being taught. A learning outcome is a description of the knowledge, skills and abilities you will gain as you complete your coursework.

	Learning Outcome	Assessment Types	Data Collection Points*	Target Performance
Learning Outcome 1	Demonstrate an understanding of the common body of knowledge in mathematics.	Targeted subject questions	MATH 2252	70% of students will pass (show demonstration of ability at a level of 70% or higher)
Learning Outcome 2	Demonstrate the ability to formulate, analyze, and solve problems through analytical and computational techniques.	Targeted application questions	MATH 4150	70% of students will pass (show demonstration of ability at a level of 70% or higher)
Learning Outcome 3	Demonstrate logical argumentation, analysis, and synthesis skills.	Targeted subject questions	MATH 3040	70% of students will pass (show demonstration of ability at a level of 70% or higher)
Learning Outcome 4	Communicate mathematical principles and ideas with clarity and coherence.	Research project with oral/written presentation	MATH 3207	70% of students will pass (show demonstration of ability at a level of 70% or higher)

**Data collected for assessment purposes should be segmented by program location. Cochran, Macon, Dublin, Eastman, Warner Robins, or online students should be analyzed separately.*

Curriculum Map
Where in a student's academic program will they be taught the content of each learning outcome and how will the content be taught?

Please identify the method of instruction (i.e. case study, lecture, experiential instruction, team activity, writing assignment, quantitative exercise) used to teach the learning outcome in courses required in the major. Not all major courses need to teach all learning outcomes.

Major Course	1251	2252	2253	2260	3040	3207	All 3000-Level MATH	All 4000-Level MATH
LO1	Lecture	Lecture; Analytical software	Lecture; Analytical software	Lecture	Lecture	Research project	Lecture	Lecture
LO2	Lecture	Lecture; Analytical software	Lecture; Analytical	Lecture	Lecture	Research project	Lecture	Lecture

			software					
LO3			Lecture; Analytical software	Lecture; Mathematical proofs demonstration/assignment	Lecture; Mathematical proofs demonstration/assignment	Oral/written presentation assignment		
L04			Lecture	Lecture; Mathematical proofs demonstration/assignment	Lecture; Mathematical proofs demonstration/assignment	Oral/written presentation assignment; Analytical software; LaTeX (Mathematical markup language)		