MGA – Academic Program
Assessment Plan and Curriculum Map

On which campuses is the program offered?	Online	College/School:	Computing	Department:	Mathematics & Statistics
Academic Degree:	B.S.	Major:	Mathematics	Track (if applicable):	Applied Statistics

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 4612	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 3440	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 4700	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	3440	4612	4700	All 3000- and 4000-Level MATH
LO1	Lecture	Lecture; Analytical software	Lecture; Analytical software	Lecture	Lecture	Lecture; Analytical software	Research project	Lecture

LO2	Lecture	Lecture; Analytical software	Lecture; Analytical software	Lecture	Lecture	Lecture; Analytical software	Research project	Lecture
LO3			Lecture; Analytical software	Lecture; Mathematical proofs demonstration/assignment	Lecture; Research assignment		Oral/written presentation assignment	
L04			Lecture	Lecture; Mathematical proofs demonstration/assignment	Lecture; Research assignment; Oral/written presentation assignment		Oral/written presentation assignment; Analytical software; LaTeX (Mathematical markup language)	