MGA – Academic Program
Assessment Plan and Curriculum Map

On which campuses is the program offered? Macon | *College/School:* Arts & Sciences | *Department:* Mathematics
Academic Degree: B.S. | *Major:* Mathematics | *Track (if applicable):*

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.

	Goal Statement	Assessment Types	Data Collection Points*	Target Performance
Learning Outcome 1	**Successful mathematics majors in the Bachelor's program will be able to correctly perform mathematical operations in the areas of Algebra and Trigonometry, Differentiation, and Integration.**	Exam Questions	MATH 2252 – Calculus II Courses offered in both Macon and Cochran	70% of students in the program will earn a score of 70% or higher
Learning Outcome 2	**Successful mathematics majors in the Bachelor's program will be able to construct and explain elementary mathematical proofs.**	Exam Questions	MATH 3040 – Bridge to Higher Mathematics Macon only	70% of students in the program will earn a score of 70% or higher
Learning Outcome 3	**Successful mathematics majors in the Bachelor's program will be able to apply mathematics towards real-world problems.**	Exam Questions	MATH 4621 – Mathematical Statistics I Macon only	70% of students in the program will earn a score of 70% or higher
Learning Outcome 4	**Successful mathematics majors in the Bachelor's program will be able to communicate mathematically.**	Exam Questions	MATH 2260 – Linear Algebra Courses offered in both Macon and Cochran	70% of students in the program will earn a score of 70% or higher

**Data collected for assessment purposes should be segmented by program location. Cochran, Macon, Dublin, Eastman, WR, 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	4621	3600	3251	3040	2260	2253	2252	1251		
LO1							Lecture, MAPLE analytical software	Lecture, MAPLE analytical software		
LO2				Lecture & proofs			Lecture, MAPLE analytical software	Lecture, MAPLE analytical software		
LO3	Lecture, computer packages, and calculator technologies	Lecture, computer packages, and calculator technologies	Lecture & proofs			Lecture, MAPLE analytical software	Lecture, MAPLE analytical software	Lecture, MAPLE analytical software		
L04					Lecture & MATLAB multi-paradigm numerical computing			Lecture, MAPLE analytical software		