# MGA – Academic Program
## Assessment Plan and Curriculum Map

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

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

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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 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) | | |