

MGA

Academic Program - Course Schedule and Learning Outcomes

Campus: Macon/Cochran College/School: Computing Department: Mathematics and Statistics

Academic Degree: BS Major: Mathematics 2020-2021 Track (if applicable): General Mathematics

What are the Program Learning Outcomes?

A learning outcome is a description of the knowledge, skills and abilities you will gain as you complete your coursework.

- 1. Demonstrate an understanding of the common body of knowledge in mathematics.**
- 2. Demonstrate the ability to formulate, analyze, and solve problems through analytical and computational techniques.**
- 3. Demonstrate logical argumentation, analysis, and synthesis skills.**
- 4. Communicate mathematical principles and ideas with clarity and coherence.**

What courses do I need to take to graduate from this program?

Entering Class	Academic Year		
	Fall (15-17 hours)	Spring (15-17 hours)	Summer (varies)
Freshman	ENGL 1101 Composition I MATH 1112 Plane Trigonometry* HIST 2111 OR 2112 US History Area D Lab Science Elective (4 hrs) Area E Elective	ENGL 1102 Composition II MATH 1251 Calculus I* MATH 1371 (4 hrs)/CSCI 1301 (3 hours)* Area D Lab Science Elective (4 hrs) Area C Elective	
Sophomore	MATH 2252 Calculus II (V-CON) Area C Literature-Based Elective Area B Course (4 hrs) POLS 1101 American Government (3 hrs)	MATH 2253 Calculus III (ONLINE) MATH 2260 Intro to Linear Algebra (ONLINE) Area E Elective GENERAL ELECTIVE*	
Junior	MATH 3040 Bridge to Higher Math (VCON) Math 3251 Applied Combinatorics MATH 2270 Differ. Equations (VCON) GENERAL ELECTIVE* MATH ELECTIVE**	MATH 3260 Mod. Algebra (MACON) MATH 4150 Linear Algebra (VCON) MATH ELECTIVE** GENERAL ELECTIVE* MATH ELECTIVE**	
Senior	MATH 4260 Math Analysis (Macon) GENERAL ELECTIVE* MATH 3600 Probab&Stat (ONLINE) MATH ELECTIVE** MATH ELECTIVE**	MATH 3207 Communicating Math MATH ELECTIVE ** GENERAL ELECTIVE* MATH ELECTIVE**	

*Mathematics program requires 15 credit hours of 2000-level or higher general electives.

**Mathematics program requires 24 credit hours of 3000-level or higher mathematics electives.

What jobs have recent graduates received after completing this program?

Recent Graduates have received jobs with the following employers:

Middle Georgia State University