BACHELOR OF ARTS
MATHEMATICS

GSU 100 The First Year Experience **0 hour**
All degree seeking students are required to take GSU 100 during their first semester.

General Education Requirements **30 hours**

Students must take MATH 110 and PHYS 201 as part of the general education requirements.

Mathematics Major **64 hours**

MATH	201*	Introduction to Reasoning and Proof	3
MATH	202*	Calculus I	4
MATH	207	Calculus II	4
MATH	230	Euclidean Geometry for College Students	3
MATH	256	Probability and Statistics	3
MATH	293	Techniques of Mathematics	1
MATH	303	Modern Algebra	3
MATH	308	Calculus III	4
MATH	315	Linear Algebra	3
MATH	321	History of Mathematics	3
MATH	330	Discrete Mathematics	3
MATH	356	Probability and Statistics II	3
MATH	408	Differential Equations	3
MATH	421	Introduction to Topology	3
MATH	431	Intro to Numerical Methods	3
MATH	493	Senior Research Seminar	2

Restricted Electives (select from the following three categories) 16

At least 9 credits from one of the following categories;
At least 3 credits from each of the remaining categories.

Applied Topology

LAND	121*	Introduction to Land Surveying	3
LAND	193**	Survey Math and Geomatics I	3
LAND	230	Survey Math and Geomatics I	3
NRMT	125	Computer Assisted Mapping	3
NRMT	234	GIS Applications I	3
NRMT	334	GIS Applications II	3

Business

ACCT	231	Principles of Accounting I	3
ACCT	232	Principles of Accounting I	3
BUSN	230	Quantitative Business Analysis	3
ECON	201	Principles of Microeconomics	3
ECON	202	Principles of Macroeconomics	3
ECON	420	The Financial System and Economy	3

Science and Engineering

BIOL	371**	Evolution	4
BIOL	400**	Ecology and Field Biology	4
BIOL	470**	Conservation Biology	4
PHYS	202	General Physics II	4

*MATH 115, and MATH 120 or MATH 125 may be required as a prerequisite(s) if candidates do not have an ACT Math score of 26 or above or SAT Math score of 610 or above. Those can be counted as general electives if any is taken.
**BIOL 120 and/or 121, or NRMT 201 may be required as a prerequisite(s). It can be counted as general electives if any is taken.

(continued on next page)

General Electives **26 hours**

Total minimum hours required for degree **120 hours**

GATEWAY ASSESSMENT – MATH 293

CAPSTONE ASSESSMENT – MATH 493

If you are interested in medical or bioinformatics, then the following courses are recommended. (See a mathematics and/or biology advisor).

BIOL	120	Principles of Biology I
BIOL	121	Principles of Biology II
BIOL	361	Microbiology
BIOL	371	Evolution
BIOL	400	Ecology and Field Biology
BIOL	470	Conservation Biology

BA: MATHEMATICS
SUGGESTED PLAN OF STUDY

This plan of study is intended for students with an ACT Math score 26 or above or SAT Math score 610 or above. Other students should consult their advisor for a revised plan of study.

FIRST YEAR

ENGL 101	3
GSU 100	0
HIST 201, 202, 207, 208 (OR) POSC 203	3
MATH 110 (OR) CART 101	3
MATH 256	3
MATH (OR) GENERAL ELECTIVE	3
Total Hours - Fall Semester	**15**

ART 200 (OR) MUSC 200	2
MATH 201	3
MATH 202	4
MATH 230	3
MATH (OR) GENERAL ELECTIVE	3
Total Hours - Spring Semester	**15**

SECOND YEAR

CART 101 (OR) MATH 110	3
MATH 207	4
MATH 293	1
PHYS 201	4
MATH (OR) GENERAL ELECTIVE	3
Total Hours - Fall Semester	**15**

ENGL 102	3
MATH (300-499 level)	6
MATH (OR) GENERAL ELECTIVE	6
Total Hours - Spring Semester	**15**

THIRD YEAR

ECON 201, 202, GEOG 203, PSYC 201 (OR) SOCS 225	3
ENGL 203, 204, 205 (OR) 206	3
MATH (300-499 level)	5-6
MATH (OR) GENERAL ELECTIVE	3-4
Total Hours - Fall Semester	**15**

HIST 201, 202, 207, 208 (OR) POSC 203	3
MATH (300-499 level)	6
MATH (OR) GENERAL ELECTIVE	6
Total Hours - Spring Semester	**15**

FOURTH YEAR

MATH 493	2
MATH (300-499 level)	6
MATH (OR) GENERAL ELECTIVE	7
Total Hours - Spring Semester	**15**

MATH (300-499 level)	6
MATH (OR) GENERAL ELECTIVE	9
Total Hours – Fall Semester	**15**