GEORGIA COLLEGE
GEORGIA'S PUBLIC LIBERAL ARTS UNIVERSITY
Academic Advising Center

Mathematics B.S.
Teaching Concentration
2020-2021 Catalog

Academic Advising Center
478-445-2361

The recommended four-year plan is designed to provide a blueprint for students to complete their degrees within four years. These plans are the recommended sequences of courses. Students will work with their Academic Advisor to develop a more individualized plan to complete their degree.

The GC Journeys Program will transform your way of thinking and experiencing college. By participating in five inside and outside the classroom transformative experiences during your time at Georgia College, you will step outside of your usual surroundings, gain authentic experiences, solve problems, become a leader, participate in real-world settings and put ideas into action. Examples of was to incorporate your GC Journeys options are shared in the plan below.

This recommended Four-Year Plan is applicable to students admitted during the 2020-2021 academic year.

Total Credits Required: 120 credits

Required GPA for Graduation: 2.0

Legend is available on the last page of this document.

Year 1

Fall

Course	Title	Hours	Area
MATH 0001	First year Academic Seminar	1	Major
MATH 1261	Calculus I	4	A
CSCI 1301	Computer Science I	3	Major
ENGL 1101	English Composition I	3	A
GC1Y 1000	Critical Thinking	3	B
XXXX 1001	Foreign Language I	3	Major
Total		**17**	

Spring

Course	Title	Hours	Area
MATH 1262	Calculus II	4	D
ENGL 1102	English Composition II	3	A1
MATH 2150	Linear Algebra	3	Major
Foreign Lang	Any Foreign Language 1002 Level	3	Major
Core Choice	Area C1 Humanities and Ethics	3	C
Total		**16**	

Summer

If starting MATH in Area A with MATH 1113: Pre-Calculus, student will need to consider taking MATH 1262 in summer of Year 1.

Notes

GC Journeys: First-Year Experience events, programs, and activities will be planned throughout the first year to help you become familiar with GC and develop skills to thrive in the liberal arts environment.

GC Journeys: Career Milestones for year one will be completed in First-Year seminar.

Area A and GC1Y 1000 must be completed by 30 earned hours.
MATH 0001 does not count toward the 120 credit hour graduation requirement.
Summer is a good time to get ahead on courses. Several Core courses are offered online over the summer terms.
POLS 1150 and HIST 2111 or 2112 satisfy legislative requirements for graduation and can also be used as Area E.

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Year 2

Fall					Spring				Summer
Course	Title	Hours	Area		Course	Title	Hours	Area	GC2Y 2000 can be completed as a study abroad in the summer.
MATH 2263	Calculus III	4	Major		MATH 4340	Differential Equations	3	Major	**Notes**
MATH 3030	Foundations of Mathematics	3	Major		MATH 4510*	Geometry	3	Major	
MATH 1401	Probability & Statistics	3	Major		GC2Y 2000	Global Perspectives	4	B	*MATH 4510 is taught only in spring terms
Core Choice	Area E Social Science Choice 1	3	E		Core Choice	Area C2 Fine Arts	3	C	**GC Journeys:** Leadership Programs can be used to satisfy electives
Core Choice	Area E Social Science Choice 2	3	E		Core Choice	Area E Social Science Choice 3	3	E	
Total		**16**			**Total**		**16**		

Named MATH courses should be taken in sequence as noted beginning with MATH 3030
GC2Y 2000 must be taken between 30-59 earned hours.

Year 3

Fall					Spring				Summer
Course	Title	Hours	Area		Course	Title	Hours	Area	
MATH 4300	Complex Variables	3	Major		MATH 4261**	Mathematical Analysis I	3	Major	**Notes**
MATH 4110	Number Theory	3	Major		MATH 4989	Intro to Research in Math	1	Major	
PHYS 2211/L	Principles of Physics with Lab I	4	Major		MAED 3121**	Concepts of Number & Alg in Sec Math	3	Major	*MATH 4300 and 4110 are taught only in fall terms.
EDIS 4425	Seminar: Exp Teach/Math & Sci	3	Major		Elective	Elective 1000-4000 level	3	Elec	**MATH 4261 is taught only in spring terms.
MAED 3119*	Concepts of Geom & Meas in Sec Math	3	Major		Elective	Elective 1000-4000 level	3	Elec	**GC Journeys:** Implementation of senior research
					Elective	Elective 1000-4000 level	3	Elec	
Total		**16**			**Total**		**16**		

Students must secure research advisor and arrange registration for MATH 4989 in the spring of the 3rd year.
***MAED 3119 and MAED 3121 will be offered every other year; MAED 3119 in fall and MAED 3121 in spring. The courses should be taken in either the junior or senior year (provided prerequisites are met).**
EDIS 4425: will not be offered every year. Should be taken when offered (provided prerequisites are met).

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Year 4

Fall				Spring				Summer
Course	Title	Hours	Area	Course	Title	Hours	Area	
MATH 4990	Senior Project	3	Major	MATH 4XXX	Upper level MATH Elective	3	Major	**Notes**
MATH 4081*	Abstract Algebra	3	Major	Elective	Any 1000-4000 level elective	3	Elec	
Elective	Any 1000-4000 level elective	3	Elec	Elective	Any 1000-4000 level elective	3	Elec	*MATH 4081 is taught only in fall terms.
Elective	Any 1000-4000 level elective	3	Elec	Elective	Any 1000-4000 level elective	3	Elec	*One 4000-level MATH elective will be offered per year. Students are advised to take a 4000-level MATH elective when it is offered (provided they meet the prerequisite).
Elective	Any 1000-4000 level elective	3	Elec	Elective	Any 1000-4000 level elective	3	Elec	
Total		**15**		**Total**		**15**		**GC Journeys:** Completion of Senior Research

MATH 4990 is a continuation of the capstone experience and should immediately follow MATH 4989. Arrangements for registration should be coordinated thru your research advisor.

Legend	
Area	**This section of the plan references the area of the curriculum the course fulfills.**
	A=Core Area A: Communication and Quantitative Skills
	B=Core Area B: Institutional Options
	C=Core Area C: Humanities and Fine Arts
	D=Core Area D: Science, Technology, and Math
	E=Core Area E: Social Sciences
	F=Core Area F: Major Directed Core
	Major=Major Required Course
	Elective=a course a student chooses to help meet overall graduation hours.