

## Biology, B.S. Pre-Professional Concentration

2022-2023 Catalog

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**Academic Advising Center** 

The recommended four-year plan is designed to provide a blueprint for students to complete their degrees within four years. These plans include the recommended sequences of courses. Indiviual plans will vary based on previously earned credit such as Dual Enrollment and AP credit as well as student's academic goals. Students will work with an 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.

All students will complete the First-Year Experience, Career Planning Milestones, and a Capstone course in your major. Students will choose two additional experiences from: Intensive Leadership Experiences, Mentored Undergraduate Research, Community-Based Engaged Learning, Internships, and Study Abroad/Study Away.

This recommended Four-Year Plan is applicable to students admitted during the 2022-2023 academic year.

Total Credits Required: 120 credits

Required GPA for Graduation: 2.0 (overall)

Courses requiring a C or better are denoted with a star (\*)

Legend is available on the last page of this document.

			Year	1					
	Fall					Spring			
Course	Title	Hours	Area	✓	Course	Title	Hours	Area	<b>✓</b>
GCSU 0001	First Year Academic Seminar: Biology**	1			BIOL 1108*	Principles of Biology II	3	F	
ENGL 1101*	English Composition I	3	Α		BIOL 1108L*	Principles of Biology II Lab	1	F	
BIOL 1107*	Principles of Biology I	1	F		ENGL 1102*	English Composition II	3	Α	
BIOL 1107L*	Principles of Biology I Lab	3	F		MATH 1113*	Precalculus	3	D	
CHEM 1211K*	Principles of Chemistry I	4	D		CHEM 1212K*	Principles of Chemistry II	4	D	
GC1Y 1000	Critical Thinking	3	В						
	Semester Hours	15				Semester Hours	14		
Notes:	Area A and GC1Y 1000 must be completed Biol 0001 does not count toward 120 hours Math 1112 or higher is required for Area A I Student must complete a Foreign Language (https://www.gcsu.edu/artsandsciences/wlc.	required Math for E e at the 1	for gradua BIOL majo 002 level o	tion. rs. R or hig	equires a C or be pher. Complete th	e WebCape			

			Year	2					
Fall				Spring					
Course	Title	Hours	Area	<b>√</b>	Course	Title	Hours	Area	<b>✓</b>
BIOL 2100*	Genetics	4	F		BIOL 2800*	Ecology	4	F	
CHEM 3361/L*	Organic Chemistry I + lab	4	Cognate		CHEM 3362/L*	Organic Chemistry II + Lab	4	Elec	
Core Choice	Area C1 Humanities	3	С		GC2Y 2000	Global Perspectives	4	В	
Core Choice	Area E Social Science Choice 1	3	E		Core Choice	Area E Social Science Choice 2	3	Е	
ELEC XXXX	Elective	3	Elec						
	Semester Hours	17				Semester Hours	15		
Notes:	BIOL 2100, BIOL 2800, and GC2Y 200	00 must be tak	en betwee	en 30	)-59 earned hours	5.			

			Year	3						
Fall					Spring					
Course	Title	Hours	Area	>	Course	Title	Hours	Area	✓	
BIOL 3200*	Cellular & Molecular Physiology	3	Major		BIOL 3000*	Seminar	2	Major		
MATH 1261/1401*	Calculus I or Statistics	3-4	D		CHEM 3510*	Biochemistry	3	Elec		
PHYS 1111*	Intro to Physics I	3	Cognate		PHYS 1112*	Intro to Physics II	3	F/Elec		
PHYS 1111L*	Intro to Physics I Lab	1	Cognate		PHYS 1112L*	Intro to Physics II Lab	1	F/Elec		
Foreign Lang*	Foreign Language 1001 Level	3	F. Lang		Foreign Lang*	Foreign Language 1002 Level	3	Major		
BIOL 3700*	Evolution	3	Major		BIOL 3400*	Organismal Physiology	3	Major		
	Semester Hours	16-17				Semester Hours	15			
Summer	Summer Consider completing capstone internship or study abroad. Consider shadowing, and volunteering.									
Notes:	Senior Capstone can only be completed when 90 or more credit hours have been earned.  Electives can be in any discipline and any level (1000-4000, unless specified as upper level).									

			Year	4					
	Fall					Spring			
Course	Title	Hours	Area	✓	Course	Title	Hours	Area	<b>✓</b>
BIOL Course*	Upper Level (3000-4000) BIOL	4	Major		BIOL Course*	Upper Level (3000-4000) BIOL		Major	
BIOL Course*	Upper Level (3000-4000) BIOL	4	Major		BIOL Course*	Upper Level (3000-4000) BIOL		Major	
CAPSTONE*	Capstone	3	Major		BIOL Course*	Upper Level (3000-4000) BIOL		Major	
Core Choice	Area E Social Sciences Choice 3	3	Е		Core Choice	Area C2 Fine Arts		С	
	Semester Hours	14				Semester Hours	0		

	Legend
Area	This section of the plan references the area of the curriculum the course fulfills.
A	Core Area A: Communication and Quantitative Skills
В	Core Area B: Institutional Options
С	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 (Elec)	Course(s) a student selects. Hours are needed meet overall graduation hours. Number of electives varies per major. Electives can be used towards GC Journeys, minors, professional/graduate school pre-requisites or to take courses of interest.
Cognate	Cognate courses are required courses within a students curriculum. These courses are connected to the major but may be from other academic disciplines.