

Chemistry B.S. 2020-2021 Catalog

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 (overall and in the hours used to satisfy Area F and the major)

Legend is available on the last page of this document.

					Year 1			
	Fall		Spring	Summer				
Course	Title	Hours	Area	Course	Title	Hours	Area	Summer is a good time to get ahead on courses. Several core courses are offered online over the summer terms.
CHEM 0001	First-Year Academic Seminar	1		MATH 1261	Calculus I	4	D/F	Notes
CHEM 1311	Principles of Chemistry for Majors I*	3	F	CHEM 1312	Principles of Chemistry for Majors II**	3	F	
CHEM 1311L	Principles of Chemistry for Majors I Lab*	1	F	CHEM 1312L	Principles of Chemistry for Majors II Lab**	1	F	GC Journeys: First-Year Experience events, programs, and activities will be planned through
ENGL 1101	English Composition I	3	Α	ENGL 1102	English Composition II	3	Α	the first year to help you become familiar with GC
MATH 1113	Pre-Calculus	3	Α	GC1Y 1000	Critical Thinking	3	В	and develop skills to thrive in the liberal arts
Core Choice	Area C1: Humanities & Ethics	3	С					experience. GC Journeys: Apply to become a Chemistry Scholar during the Fall semester. Join a research group by
	`							the end of Spring semester.
								GC Journeys: Career Milestones for year one will
Tota	ıl	14		Tota		14		be completed in First-Year Seminar.
	Area A and GC1Y 1000 mu	ist be comp	leted by 3	0 earned hours. (CHEM 0001 does not count toward the 120 cred	it hour grad	duation re	equirement.

4212L in order to graduate. Must take 2 lab courses from the list.

Lab II Options: CHEM 3010L, CHEM 3711L

GC Journeys: Complete a Transformative Experience:

Leadership Experience, Study Abroad, Community
Based Engaged Learning, or an Internship
GC Journeys: Complete Career Planning Milestones:
Strategic Career Plan and a Mock Interview



CHEM 3010

CHEM 4211

Foreign Lang.

Total

Lab I

Inorganic Chemistry*

Physical Chemistry I*

Upper Level Lab I

FORL 1002

					Year 2			
	Fall	Spring				Summer		
Course	Title	Hours	Area	Course	Title	Hours	Area	
CHEM 2920	Chemistry Seminar*	1	Major	CHEM 3362	Organic Chemistry II	3	Major	Notes
CHEM 3361	Organic Chemistry I	3	Major	CHEM 3362L	Organic Chemistry II Lab	1	Major	GC Journeys: Complete a Transformative
CHEM 3361L	Organic Chemistry I Lab	1	Major	PHYS 2212	Principles of Physics II	3	D/F	Experience: Leadership Experience, Study
MATH 1262	Calculus II	4	F	PHYS 2212L	Principles of Physics II Lab	1	D/F	Abroad, Community Based Engaged Learning
PHYS 2211	Principles of Physics I	3	D/F	GC2Y 2000	Global Perspectives	4	В	or an Internship
PHYS 2211L	Principles of Physics I Lab	1	D/F	Core Choice	Area E: Social Science Choice 1	3	E	GC Journeys: Complete Career Planning
Core Choice	Area C2: Fine Arts	3	С					Milestones : Resume Review and LinkedIn
Tota	al	16		Tota	I	15		Profile
	Apply for REU's, Study Abroad, or an I	nternshi	p in the Fall	l. GC2Y 2000 mus	t be completed by 60 earned hours. *Only offered	d in the F	all;**Only	y offered in the Spring
					Year 3			
Fall				Spring				Summer
Course	Title	Hours	Area	Course	Title	Hours	Area	
CHEM 3920	Chemistry Seminar I*	1	Major	CHEM 3200	Instrumental Analysis**	3	Major	Notes
CHEM 2800	Quanatiative Analysis	3	F	CHEM 3600L	Structural Chemistry**	2	Major	
CHEM 2800L	Quanatative Analysis Lab	1	F	CHEM 4212	Physical Chemistry II**	3	Major	Lab I Options: CHEM 4211L, 4212L, CHEM 3200L Note: Studennts must pass CHEM 4211L or CHEM
	<u> </u>	1				1		Note. Studening must puss Cheivi 4211L Of Cheivi

Apply for REU's, Study Abroad, or an Internship in the Fall. *Only offered in the Fall **Only offered in the Spring

Upper Level Lab I

Upper Level Lab II

Area E: Social Science Choice 2

Any 1000-4000 level electives

1

1

3

3

Major

Major

Elective

3

3

1

3

15

Major

Major

Major

Major

Lab I

Lab II

Elective

Core Choice

Total



					Year 4			
	Fall			Spring		Summer		
Course	Title	Hours	Area	Course	Title	Hours	Area	
CHEM 3711	Biochemistry I*	3	Major	CHEM 4920	Chemistry Seminar II**	1	Major	Notes
Capstone	Capstone Course	3	Major	Capstone	Capstone Course	3	Major	
CHEM 4999	Research	3	Major	Core Choice	Area E: Social Science Choice 2	3	Е	GC Journeys: Complete Undergraduate Research
Elective	Any 1000-4000 level electives	3	Elective	Elective	Any 1000-4000 level electives	3	Elective	Project and Capstone Courses
Elective	Any 1000-4000 level electives	3	Elective	Elective	Any 1000-4000 level electives	3	Elective	GC Journeys: Complete Career Planning
				Elective	Any 1000-4000 level electives	3	Elective	Milestone : Senior Check-In
								Capstone Course Options: CHEM: 4400, 4500,
								4600, 4700, 4800
								PHYS: 3010, 3100, 3311, 3321, 4251, 4261
Tota	ı	15		Total		16		

	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						
	Flective=a course a student chooses to help meet overall graduation hours						