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

Chemistry B.S.
2019-2020 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.

This recommended Four-Year Plan is applicable to students admitted during the 2019-2020 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.
CHEM 0001	First Year Academic Seminar	1			MATH 1261	Calculus II	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	
ENGL 1101	English Composition I	3	A		ENGL 1102	English Composition II	3	A	
MATH 1113	Pre-Calculus	3	A		GC1Y 1000	Critical Thinking	3	B	
Core Choice	Area C1: Humanities & Ethics	3	C						
Total		**14**			**Total**		**14**		

Area A and GC1Y 1000 must be completed by 30 earned hours. CHEM 0001 does not count toward the 120 credit hour graduation requirement.

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	
CHEM 3361L	Organic Chemistry I Lab	1	Major	PHYS 2212	Principles of Physics II	3	D/F	
MATH 1262	Calculus II	4	F	PHYS 2212L	Principles of Physics II Lab	1	D/F	
PHYS 2211	Principles of Physics I	3	D/F	GC2Y 2000	Global Perspectives	4	B	
PHYS 2211L	Principles of Physics I Lab	1	D/F	Core Choice	Area E: Social Science Choice 1	3	E	
Core Choice	Area C2: Fine Arts	3	C					
Total		**16**		**Total**		**15**		

Apply for REU's, Study Abroad, or an Internship in the Fall. GC2Y 2000 must be completed by 60 earned hours. *Only offered in the Fall **Only 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	Quantitative Analysis	3	F	CHEM 3600L	Structural Chemistry**	2	Major	
CHEM 2800L	Quantitative Analysis Lab	1	F	CHEM 4212	Physical Chemistry II**	3	Major	**Lab I Options:** CHEM 4211L, CHEM 4212L, CHEM 3200L
CHEM 3010	Inorganic Chemistry*	3	Major	Lab I	Upper Level I	1	Major	*Note: Students must pass 4211L or 4212L in order to graduate. Must take 2 lab courses from the list.*
CHEM 4211	Physical Chemistry I*	3	Major	Lab II	Upper Level Lab II	1	Major	**Lab II Options:** CHEM 3010L, CHEM 3711L
Lab I	Upper Level Lab I	1	Major	Core Choice	Area E: Social Science Choice 2	3	E	
Foreign Lang.	FORL 1002	3	Major	Elective	Any 1000-4000 electives	3	Elective	
Total		**15**		**Total**		**16**		

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

Year 4

Fall				Spring				Summer
Course	Title	Hours	Area	Course		Hours	Area	
CHEM 3711	Biochemistry I*	3	Major	CHEM 4920	Chemistry Seminar II*	1	Major	**Notes**
CHEM 4999	Research	3	Major	Capstone	Capstone Course	3	Major	
Capstone	Capstone Course	3	Major	Core Choice	Area E: Social Science Course 3	3	E	**Capstone Course Options:**
Elective	Any 1000-4000 level electives	3	Elective	Elective	Any 1000-4000 electives	3	Elective	**CHEM:** 4400, 4500, 4600, 4700, 4800
Elective	Any 1000-4000 level electives	3	Elective	Elective	Any 1000-4000 electives	3	Elective	**PHYS:** 3010, 3100, 3311**,** 3321, 4251, 4261
				Elective	Any 1000-4000 electives	3	Elective	
Total		**15**		**Total**		**16**		

Visit graduate schools or apply for jobs during this year. *Only offered in the Fall. **Only offered in the Spring

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.