

**BACHELOR OF ARTS
CHEMISTRY**

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 complete CHEM 101, and MATH 115 as part of the General Education requirements.

Chemistry Major Requirement **49 hours**

BIOL	120	Principles of Biology I	4
CHEM	101	General Chemistry I	
CHEM	102	General Chemistry II	4
CHEM	293	Techniques of Chemistry	1
CHEM	301	Organic Chemistry I	4
CHEM	302	Organic Chemistry II	4
CHEM	307	Inorganic Chemistry (OR)	
CHEM	380	Biochemistry I	4
CHEM	321	Analytical Chemistry I	4
CHEM	493	Senior Research Seminar	2
MATH	120	Precalculus	4
MATH	256	Probability and Statistics I	3
PHYS	201	General Physics I	4
PHYS	202	General Physics II	4
CHEM	Electives (select from the following)		7
	CHEM	307 Inorganic Chemistry	4
	CHEM	322 Analytical Chemistry	4
	CHEM	341 Nuclear Chemistry	4
	CHEM	345 Introductory Physical Chemistry	3
	CHEM	380 Biochemistry I	4
	CHEM	381 Biochemistry II	4

Minor (hours will vary depending on minor selection) **20 hours**

General Electives (hours will vary depending on minor selection) **21 hours**
Recommended courses for graduate school in chemistry:

CHEM	322	Analytical Chemistry II	4
CHEM	345	Introductory Physical Chemistry*	3
MATH	202	Calculus I	4
MATH	207	Calculus II	4
PHYS	350	Modern Physics	3

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

GATEWAY ASSESSMENT - CHEM 293

CAPSTONE ASSESSMENT - CHEM 493

**If introductory physical chemistry is taken as one of the chemistry electives then additional hours in math courses are required as prerequisites. Introductory physical chemistry (CHEM 345) requires 4 additional hours of math (MATH 202).*

Students enrolled in chemistry courses are responsible for all lost or broken glassware and equipment. At the beginning of the semester, the student will verify that all laboratory items assigned to him/her are present and in good condition. At the end of the semester, the student must return all items in the same condition. If any items were lost or broken throughout the semester, the student will receive a financial statement either during the last

week of classes or during the final examination period. This financial obligation must be paid to the Cashier's Office before the student can graduate. Students who fail to check out of the laboratory will be charged an additional fee.

**BA: CHEMISTRY
SUGGESTED PLAN OF STUDY**

FIRST YEAR

CART 101.....	3		
CHEM 101.....	4	BIOL 120.....	4
ENGL 101.....	3	CHEM 102.....	4
GSU 100.....	0	ENGL 102.....	3
HIST 201, 202, 207, 208 (OR) POSC 203	3	MATH 256.....	3
MATH 115.....	3	Total Hours - Spring Semester	14
Total Hours - Fall Semester	16		

SECOND YEAR

CHEM 293.....	1		
CHEM 301.....	4	CHEM 302.....	4
ENGL 203, 204, 205 (OR) 206	3	PHYS 202.....	4
MATH 120.....	4	MINOR/GENERAL ELECTIVES.....	6
PHYS 201.....	4	Total Hours - Spring Semester	14
Total Hours - Fall Semester	16		

THIRD YEAR

CHEM 307 (OR) CHEM 380 (OR)		ART 200 (OR) MUSC 200	2
CHEM 321.....	4	ECON 201, 202, GEOG 203, PSYC 201,	
HIST 201, 202, 207, 208 (OR) POSC 203	3	(OR) SOCS 225.....	3
MINOR/GENERAL ELECTIVES.....	8	CHEMISTRY ELECTIVES.....	4
Total Hours - Fall Semester	15	MINOR/GENERAL ELECTIVES.....	6
		Total Hours - Spring Semester	15

FOURTH YEAR

CHEM 321 (OR) CHEM 307 (OR)			
CHEM 380.....	4	CHEMISTRY ELECTIVE	3
CHEM 493.....	2	MINOR/ELECTIVES	12
MINOR/GENERAL ELECTIVES.....	9	Total Hours - Spring Semester	15
Total Hours - Fall Semester	15		