

BACHELOR OF ARTS CHEMISTRY

GSC 100 The First Year Experience **0 hour**

All degree seeking students are required to take GSC 100 during their first semester.

General Education Requirements **39 hours**

Students must take CHEM 101, CHEM 102, and MATH 115, or MATH 120, or MATH 202, or MATH 207 as part of the General Education requirements.

Chemistry Major Requirement **41 hours**

BIOL	120	Principles of Biology I	4
CHEM	101	General Chemistry I	
CHEM	102	General Chemistry II	
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	256	Probability and Statistics I	3
PHYS	201	General Physics I	4
PHYS	202	General Physics II	4

Chemistry Electives (select 7 hours from the following)

CHEM	307	Inorganic Chemistry	4
CHEM	322	Analytical Chemistry II	4
CHEM	341	Nuclear Chemistry	3
CHEM	345	Introductory Physical Chemistry	4
CHEM	380	Biochemistry I*	4
CHEM	381	Biochemistry II	4

General Electives* **19-22 hours**

Recommended courses for graduate school in chemistry:

CHEM	322	Analytical Chemistry II	4
CHEM	345	Introductory Physical Chemistry*	4
MATH	120	Precalculus	4
MATH	202	Calculus I	4
MATH	207	Calculus II	4
PHYS	350	Modern Physics	3

Minor **18-21 hours**

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

GATEWAY ASSESSMENT - CHEM 293 - CAPSTONE ASSESSMENT - CHEM 493

236 Department of Science and Mathematics

**If biochemistry or introductory physical chemistry is taken as one of the chemistry electives then additional hours in science or math courses are required as prerequisites. Biochemistry (CHEM 380) requires 4 hours biology (BIOL 120); introductory physical chemistry (CHEM 345) requires 8 additional hours of math (MATH 120 & 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

CHEM 101	4	ART 200, CART 200, FNAR 100	
ENGL 101	3	(OR) MUSC 200	3
GSC 100	0	CART 101.....	3
HIST 201, 202, 207, 208 (OR)		CHEM 102.....	4
POSC 203	3	CSCI 101	3
MATH 115, 120, 202 (OR) 207	3-4	MATH 256	3
PED 201	1	Total Hours - Spring Semester	16
Total Hours - Fall Semester.....	15		

SECOND YEAR

BIOL 120.....	4	CHEM 302.....	4
CHEM 293	1	ECON 201, 202, GEOG 203, PSYC 201,	
CHEM 301	4	SOCL 205 (OR) SOCS 225	3
ENGL 102	3	ENGL 203, 204, 205 (OR) 206	3
PHYS 201.....	4	PHYS 202.....	4
Total Hours - Fall Semester.....	16	Total Hours - Spring Semester	14

THIRD YEAR

CHEM 307 (OR) CHEM 380.....	4	CHEMISTRY ELECTIVES.....	4
HIST 201, 202, 207, 208 (OR) POSC 203 ..	3	MINOR/GENERAL ELECTIVES.....	11
GENERAL ELECTIVES	8	Total Hours - Spring Semester	15
Total Hours - Fall Semester.....	15		

FOURTH YEAR

CHEM 321	4	CHEMISTRY ELECTIVE	3
CHEM 493	2	MINOR/ELECTIVES	13
GENERAL ELECTIVES	8	Total Hours - Spring Semester	16
Total Hours - Fall Semester.....	14		