

CHEMISTRY MAJOR - B.S.

American Chemical Society Certified Bachelor of Science

First Year

Fall		Credits	Spring		Credits
BIOL 111	Molec, Cells, Anim./Lab	4	CHEM 122	General Chemistry II/Lab	4
CHEM 121	General Chemistry I/Lab	4	CORE 104	Spring Comm. Enrich., <u>G.E.</u>	0
CHEM 192	Freshman Chem. Seminar	0	CORE 113	First Year Seminar, <u>G.E.</u>	3
CORE 103	Fall Comm. Enrich., <u>G.E.</u>	0	FTAE 105	Francis & Glob. Iss., <u>G.E.</u>	3
MATH 121	Calculus I	3	MATH 122	Calculus II	3
SOC SCI 1 st	Social Science (1 of 3), <u>G.E.</u>	3	PHYS 121	General Physics I/Lab	4
WRIT 102	Research Writing, <u>G.E.</u>	3			17
		<u>17</u>			

Second Year

Fall			Spring		
CHEM 221	Organic Chemistry I/Lab	4	CHEM 222	Organic Chemistry II/Lab	4
FNAR XXX	Fine Arts, <u>G.E.</u>	3	CHEM 251	Quantitative Analysis/Lab	3
LIT XXX	Literature, <u>G.E.</u>	3	CHEM 292	Sophomore Chem. Seminar	0
MATH XX	Mathematics Elective*	3	LANG XXX	Language, <u>G.E.</u>	3
PHYS 122	General Physics II/Lab	4	PHIL 205	Reason and Respons., <u>G.E.</u>	3
		<u>17</u>	SOC SCI 2 nd	Social Science (2 of 3), <u>G.E.</u>	3
					16

Third Year

Fall			Spring		
CHEM 321	Physical Chemistry I/Lab	4	CHEM 322	Physical Chemistry II/Lab	4
CHEM 405	Biochemistry I/Lab	4	CHEM 392	Junior Chem. Seminar	0
Diversity	Diversity Elective, <u>G.E.</u>	3	CHEM XXX	Chemistry Elective**	3
EXAM 301	Writing Comp. Exam, <u>G.E.</u>	0	SOC SCI 3 rd	Social Science (3 of 3), <u>G.E.</u>	3
HIST XXX	History, <u>G.E.</u>	3	XXX	Elective	3
PHIL/FTAE	Ethics Course, <u>G.E.</u>	3	XXX	Elective	3
		<u>17</u>			16

Fourth Year

Fall			Spring		
CHEM 324	Inorganic Chemistry/Lab	4	CHEM 323	Instrumental Analysis/Lab	3
CHEM 499	Undergraduate Research	1	CHEM 457	Chemistry and Society	3
(or 398/399)	(or Internship)	3-15)	XXX	Elective	3
CHEM XXX	Chemistry Elective**	3	XXX	Elective	3
XXX	Elective	3	XXX	Elective	3
XXX	Elective	3			15
		<u>14</u>			

*Mathematics Electives

MATH 221	Calculus III	3	or	MATH 306	Differential Equations	3
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**Chemistry Electives (6 or more credits must be taken from the following)

CHEM 305	Environmental Chemistry/Lab	4	CHEM 308	Forensic Chemistry	3/4
CHEM 401	Spectroscopy	3	CHEM 402	Biophysics	3
CHEM 404	Advanced Organic Chemistry	3	CHEM 407	Biochemistry II	3
CHEM 410	Special Topics in Chemistry	3	CHEM 501	Independent Study in Chem.	1-8

Note: Sequence of courses may be altered with advisor's approval. If a course is substituted in the paradigm you may not qualify for an ACS certified degree.