Chem Alfred 2016-2018

Eng

REQUIREMENTS LISTED IN CATALOG MUST BE FULFILLED FOR GRADUATION

FIRST YEAR (FREDONIA)

First Semester

Second Semester

CHEM	115-125	Gen. Chemistry I w/Lab	4	CHEM 116-126 Gen Chemistry II w/Lab	4
MATH	122	Univ. Calculus I	4	MATH 123 Univ. Calculus II	4
ENGL	100	English Composition	3	PHYS 230-232 Univ. Physics I w/Lab	5
		CCC •	3	CCC •	3
			14		16

SECOND YEAR (FREDONIA)

First Semester

Second Semester

CHEM 215-225 Organic Chem. I w/Lab	4	CHEM 216-226 Organic Chem. II w/Lab	4
MATH 223 Univ. Calculus III	4	CHEM 317-327 Analytical Chem. I w/Lab	4
PHYS 231-233 Univ. Physics II w/Lab	5	CSIT 121 Computer Science I *	3
GEO 340 Mineralogy +	4	CCC •	3
	17		14

(If transcript does not list Chemistry as major, see Director to declare Chemistry)

THIRD YEAR (FREDONIA)

First Semester

Second Semester

CHEN	/ 315-325	5 Physical Chem. I w/Lab	4	CHEM	316-326	Physical Chem. II w/Lab	4
CHE	/ 318-328	3 Analytical Chem. II w/Lab	5	CHEM	496	Seminar II ***	0
CHE	1 495	Seminar I ***	1	CHEM	295	Intro. to Research	1
PHYS	321	Engineering Statics	3	MATH	224	Differential Equations	3
PHYS	329	Engineering Dynamics	3	PHYS	322	Mechanics of Solids	3
CHE	1 462	Inorganic Chemistry	3			CCC •	3
			19			CCC •	<u>3</u>
							17

(See Director for transfer interview)

(See Chemistry Chair for transfer letter)

FOURTH AND FIFTH YEARS (ALFRED)

Equivalent to six hours of 400 or 500 level Chemistry courses

- Must complete the College Core Curriculum (CCC) either at Fredonia or engineering institution. Upper level is not required for 3-2 students. Also not required for 3-2: second social science course, second speaking intensive course, foreign language if earn 70 or better on Regent's Checkpoint B, and American History category if earn 85 or better on Regent's exam. See the current undergraduate Catalog for details regarding the CCC.
- * For students transferring to Syracuse, additional CSIT courses are required.
- ** Recommended electives include PHYS 234 (Modern Physics), courses in Mathematics, Computer Science, Chemistry, Business, Electronics, or other areas consistent with student's goals.
- *** It is recommended that students complete the Seminar attendance requirement and certain assignments at Fredonia: actual presentation of the seminar may be delayed until the fourth or fifth year.
- + Fall semester of ALTERNATE YEARS only. Take in third year if necessary.

NOTE: Students wishing to complete an ACS approved degree program should consult with the Chairperson of Chemistry.