REQUIREMENTS LISTED IN CATALOG MUST BE FULFILLED FOR GRADUATION

FIRST YEAR (FREDONIA)

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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	CSIT 121 Computer Science I *	3
PHYS	199	Freshman Seminar	1		16
			15		

SECOND YEAR (FREDONIA)

First Semester				Second Semester			
MATH	223	Univ. Calculus III	4	MATH 224	Differential Equations	3	
PHYS	231-233	Univ. Physics II w/Lab	5	PHYS 234	Modern Physics	4	
PHYS		Engineering Statics	3	PHYS 322	Mechanics of Solids	4	
PHYS	329	Engineering Dynamics	3	PHYS 330	Thermodynamics	_3	
GEO	340	Mineralogy ***	4			14	
			19				

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

THIRD YEAR (FREDONIA)

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PHYS 425 PHYS 431 PHYS CHEM 315 CHEM 325	Mathematical Physics I 3 Intro. To Quantum Mech. 3 Phys. Electrical Req ** 3-4 Physical Chemistry I 3 P. Chem. Lab. I 1	PHYS 426 PHYS CHEM 316 CHEM 326 PHYS 400	Mathematical Physics II CCC • or Physics Elective + Physical Chemistry II P. Chem. Lab. II Seminar	3 3 1 1
	CCC • or Physics elective + <u>3</u>		CCC 's ■	6
	16-17			17

(See Director for transfer interview)

First Semester

(See Chemistry Chair for transfer letter)

Second Semester

FOURTH AND FIFTH YEARS (ALFRED)

3

CCC -

- 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.
- ** One electrical requirement from PHYS 323, PHYS 325 & PHYS 327, PHYS 326 PHYS 328.
- *** Fall semester of ALTERNATE YEARS only. Take in third year if necessary.
- + One course from PHYS 331, or PHYS 333.