

REQUIREMENTS LISTED IN CATALOG MUST BE FULFILLED FOR GRADUATION

FIRST YEAR (FREDONIA)

<u>First Semester</u>				<u>Second Semester</u>			
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
GEO	102	Freshman Seminar	1	GEO	210	Geology II	<u>3</u>
GEO	165	Geology I	3				16
GEO	169	General Geology Lab	<u>1</u>				
			16				

SECOND YEAR (FREDONIA)

<u>First Semester</u>				<u>Second Semester</u>			
GEO	411	Mineralogy **	4	GEO	421	Petrology **	4
MATH	223	Univ. Calculus III	4	MATH	224	Differential Equations	3
PHYS	231-233	Univ. Physics II w/Lab	5	CSIT	121	Computer Science I *	3
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			16				16

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

THIRD YEAR (FREDONIA) +

<u>First Semester</u>				<u>Second Semester</u>			
PHYS	321	Engineering Statics	3	PHYS	322	Mechanics of Solids+	4
PHYS	329	Engineering Dynamics+	3	GEO	3--/4--	Geology Elective **	4
GEO	3--/4--	Geology Elective **	8	-----	-----	CCC ■	3
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			20				16

(See Director for transfer interview)

(See Geology Chair for transfer letter)

First Session Summer School (Fredonia (Third Yr.))

GEO	461	Field Geology	3	(To be taken at, or transferred to, Fredonia)
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FOURTH AND FIFTH YEARS (Affiliated Institution)

- 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.
- ** See Department Chair for advice prior to second semester first year regarding alternate year offerings.
- + Students interested in electrical or computer engineering must take Circuit Analysis. Electrical, computer and chemical engineers may, in most cases, omit PHYS 322 and 329.

Probability and Statistics (STAT 350) is required at some affiliated institutions for students interested in Electrical or Industrial Engineering. Linear Algebra (MATH 231) is strongly recommended. PHYS 234, Modern Physics, is required at some institutions, including Columbia and UB Electrical Engineering (spring semester).