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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 •	<u>3</u>	
			14		16	

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	MATH 231	Linear Algebra	4	
MATH 210 Math Structures & Proo	f 4	CSIT 121	Computer Science I *	3	
CCC •	<u>3</u>		CCC's ■	<u>6</u>	
	16			17	

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

THIRD YEAR (FREDONIA) ++

MATH 420

MATH -----

PHYS 322

MATH 405

First Semester

(See Director for transfer interview)

MATH	331	Abstract Algebra I	3
MATH	323	Inter. Real Analysis	3
		Advised Elective	3
PHYS	321	Engineering Statics	3
PHYS	329	Engineering Dynamics+	3
STAT	350	Probability & Statist.	3

(See Mathematics Chair for transfer letter)

Senior Seminar

Second Semester

Advanced Calculus++

Mechanics of Solids+

Mathematics Electives +

(MATH 351, 332, 325, 457)

FOURTH AND FIFTH YEARS (AFFILIATED INSTITUTION)

Math Elective (as advised)

- 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.

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- Students interested in electrical or computer engineering must take six hours of Circuit Analysis. + Electrical, computer and chemical engineers may, in most cases, omit PHYS 322 and 329.
- May substitute PHYS 425 for Advanced Calculus (offered in fall semesters) ++

PHYS 234, Modern Physics, is required at some institutions, particularly Columbia and UB Electrical Engineering (spring semester).