

**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
PHIL	116	Philosophy Class	<u>3</u>	PHIL	-----	One of 115 or 105	<u>3</u>
			14				16

**SECOND YEAR (FREDONIA)**

<u>First Semester</u>				<u>Second Semester</u>			
PHIL	-----	One of 222, 224, 226, or 432	3	PHIL	3---	Philosophy	3
PHYS	231-233	Univ. Physics II w/Lab	5	MATH	224	Differential Equations	3
MATH	223	Univ. Calculus III	4	CSIT	121	Computer Science I *	3
PHIL	2--- or	PHIL 3--- Philosophy	<u>3</u>	PHIL	3---	Philosophy Class	3
			15	-----	-----	CCC ▪	<u>3</u>
							15

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

**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	PHIL	3---	Philosophy Classes	6
PHIL	3---	Philosophy Class	3	-----	-----	CCC's ▪	<u>6</u>
PHIL	477	Philosophy Class	3				16
-----	-----	CCC ▪	<u>3</u>				
			15				

(See Director for transfer interview)

(See Philosophy Chair for transfer letter)

**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.
- + Students interested in electrical or computer engineering must take six hours of Circuit Analysis. Circuit Analysis I is required and Circuit Analysis II is recommended for Mechanical Engineering. 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 Industrial Engineering. Linear Algebra (MATH 231) is strongly recommended.

**NOTE:** For major in Philosophy (AB Degree): 30 hours in Philosophy with at least 18 hours at the 300 or 400 level. Students are required to take a logic course (PHIL 116 or 301) and a history of philosophy course (PHIL 222, 224, or 432).