

REQUIREMENTS LISTED IN CATALOG MUST BE FULFILLED FOR GRADUATION

FIRST YEAR (FREDONIA)

First Semester

Second Semester

**STUDENTS MUST DISCUSS CS TRACK OPTIONS AND ELECTIVES WITH CS COORDINATOR
 BEFORE COMPLETION OF FIRST YEAR**

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
CSIT 121	Computer Science I	<u>3</u>	CSIT 221	Computer Science II	<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	CSIT ----	CS Advised Elective	3
CSIT 241	Discrete Math for CS I	3	CSIT 231	Systems Programming	3
CSIT 311	Assmby Lang/Comp. Org.	<u>3</u>	CSIT 341	Data Structures	3
		15	-----	CCC ■	<u>3</u>
					15

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

THIRD YEAR (FREDONIA)

First Semester

Second Semester

CSIT 321	Paradigms of Progr. Lang.	3	CSIT ----	CS Advised Elective	3
CSIT 431	Intro. Operating Systems	3	CSIT 425	Software Engineering	3
PHYS 321	Engineering Statics	3	PHYS 324	Circuit Analysis II *	3
PHYS 323	Circuit Analysis I	3	-----	CCC's ** ■	<u>6</u>
PHYS 329	Engineering Dynamics*	3			15
-----	CCC ■	<u>3</u>			
		18			

(See Director for transfer interview)

(See CS Chair for transfer letter)

FOURTH AND FIFTH YEARS (AFFILIATED INSTITUTION)

CCC ■ 3

- 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.
- * 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 mechanical engineers may, in most cases, omit PHYS 322 and 329.
- ** Modern Physics (PHYS 324) is required at some affiliated institutions including Columbia. It should be taken here if needed (4 credit hours).

Probability and Statistics I (STAT 350) is required at some affiliated institutions for students interested in Industrial Engineering. Also Linear Algebra (MATH 231) is strongly recommended.