

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 231	Systems Programming	3
CSIT 224	Prob Solv Using Objects	3	CSIT 242	Discrete Math for CS II	3
CSIT 241	Discrete Math for CS I	3	CSIT 341	Data Structures	3
CSIT 311	Assmby Lang/Comp. Org	<u>3</u>	-----	-----	<u>3</u>
		18			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
-----	CS Advised Elective	3	CSIT 425	Software Engineering	3
PHYS 321	Engineering Statics	3	-----	Requirement/Elective	3
PHYS 323	Circuit Analysis*	4	-----	CCC's **	<u>6</u>
-----	CCC	<u>3</u>			15
		16			

(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 Circuit Analysis. Students interested in mechanical or civil engineering should substitute PHYS 329 (fall semester) and 322 (spring semester).
- ** PHYS 234, Modern Physics, is required at some institutions, particularly Columbia and UB Electrical Engineering (spring semester).

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