

**CENTRAL CONNECTICUT STATE UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE**

**Sample Program
B. S. Computer Science (Honors)
[A CSAB Accredited Program]
Fall 1999**

FIRST YEAR

CS 151 Intro to CS	4	CS 152 Adv. Programming	4
MATH 122 Calculus I	4	MATH 221 Calculus II	4
ENG 110 FYE section	3	MATH 218 Discrete Math	4
GE Elective	3	GE Elective	<u>3</u>
PE 244	<u>2</u>		
	16		15

SECOND YEAR

CS 161 C Programming	1	CS 354 Digital Design	3
CS 253 Data/File Structures	3	CS 355 Systems Programming	3
CS 254 Assembly Language	3	STAT 315 Statistics	3
PHIL 245 Computer Ethics	3	GE Elective	3
GE Elective	3	GE Elective	<u>3</u>
GE Elective	<u>3</u>		
	16		15

THIRD YEAR

CS Adv. Area *	3	CS Adv. Area *	3
Lab Science I **	4	Lab Science II **	4
GE Elective	3	CS Adv. Dir. Elective *	3
GE Elective	3	GE Elective	3
GE Elective	<u>3</u>	GE Elective	<u>3</u>
	16		16

FOURTH YEAR

CS Adv. Dir. Elective *	3	CS Auxiliary Elective *	3
CS Adv. Dir. Elective *	3	CS Auxiliary Elective *	1
Quantitative Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	<u>3</u>	Quantitative Elective	<u>3</u>
	15		13

* See back page

** Bio 121 & 122; Chem 121 & 122; Esci 121 & 122 & 123 or Phys 125 & 126

*** Proficiency in foreign language must be demonstrated before graduation. See catalog for details.

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GENERAL EDUCATION (32-38 SEMESTER HOURS)

Arts & Humanities [] Literature (3) [] _____ (3) [] _____ (3)
Study Area I *
Social Sciences [] History (3) [] _____ (3) [] _____ (3)
Study Area II *
Behavioral Sciences [] _____ (3) [] _____ (3)
Study Area III
Natural Sciences [x] See Below [x] See Below
Study Area IV

Communication [] ENG 110 (3) [] _____ (3)
Skill Area I ◊
Mathematics [x] See Below [x] See Below
Skill Area II
Foreign Language [] _____ (0-6) See Details in
Skill Area III Catalog
University Requirement [] PE 244 (2)
Skill Area IV

*No more than 6 credit hours in any 1 discipline.

◊ Students who have not completed ENG 110 prior to earning 61 credit hours must take ENG 202 instead of ENG 110.

INTERNATIONAL COURSES (I): Two of the above courses must be designated International (I).

[] _____ [] _____

FIRST YEAR EXPERIENCE: For students entering with fewer than 15 credit hours, one of the above courses must be a FYE section [] _____.

COMPUTER SCIENCE MAJOR (HONORS) (69 SEMESTER HOURS)

CS CORE (18 SH):

[] CS 151 (4) [] CS 152 (4) [] CS 161 (1)
[] CS 253 (3) [] CS 254 (3) [] CS 354 (3)

CS ADVANCED AREA COURSES (9 SH):

[] CS 355, and,
Choice of two from: [] CS 385 [] CS 463 [] CS 464

CS ADVANCED DIRECTED ELECTIVES (9 SH):

Choice of three from:
[] CS 410 [] CS 420 [] CS 423 [] CS 460
[] CS 462 [] CS 465 [] CS 473 [] CS 481
[] CS 483 [] CS 485 [] CS 486 [] CS 490

CS AUXILIARY ELECTIVES (4 SH): Selected in consultation with an advisor, from those NOT selected from Adv. Area Courses or Adv. Directed Electives, or from:

[] CS 290 [] CS 300 [] CS 301 [] CS 398
[] CS 407 [] CS 498 [] CS 499 [] PHYS 338
[] PHYS 339 [] PHYS 340

MATH/STATISTICS (15 SH – satisfies SKILL AREA II)

[] MATH 122 (4) [] MATH 221 (4) [] MATH 218 (4)
[] STAT 315 (3)

SCIENCE/QUANTITATIVE (14 SH –satisfies STUDY AREA IV) (must include Bio 121 & 122 or Chem 121 & 122 or ESCI 121 & 122 & 123 or Phys 125 & 126; An additional 6 credits in science and/or courses with a strong emphasis on qualitative methods, selected in consultation with an advisor (cannot include MATH courses.)

[] _____ [] _____ [] _____ [] _____

PHILOSOPHY: [] PHIL 245 (3)

FREE ELECTIVES (0-18 SEMESTER HOURS, to make 122 credits total):

[] _____ [] _____ [] _____ [] _____