CENTRAL CONNECTICUT STATE UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE

Sample Program
B. S. Computer Science (Honors)
[CAC of ABET Accredited Program]
Fall 2002

FIRST YEAR

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

THIRD YEAR

CS Adv. Area *	3	CS Adv. Area *	3
Lab Science I ** PHYS 338	4	Lab Science II **	4
GE Elective	3	CS Adv. Dir. Elective *	3
GE Elective	3	GE Elective	3
GE Elective	3	GE Elective	1
	16		14

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	3	Quantitative Elective	3
	15	Free Elective	1
			14

*   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.

<div align="center">GENERAL EDUCATION (32-38 SEMESTER HOURS)</div>

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)** [ ] ΔΔ_____ **(3)**
Skill Area I ◊

Mathematics   [x]   **See Below**   [x]   **See Below**
Skill Area II

Foreign Language   [ ]   _____ **(0-6)** <u>see</u> <u>**Details in Catalog**</u>
Skill Area III

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.
ΔΔ COMM 140 is recommended
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
[ ]_____

<div align="center">MAJOR: COMPUTER SCIENCE (HONORS)</div>

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** **(3)**   [ ]   **CS 465** **(3)**   [ ]   **CS 423** **(3)**   [ ]   **CS 460** **(3)**
[ ]   **CS 462** **(3)**   [ ]   **CS 485** **(3)**   [ ]   **CS 473** **(3)**   [ ]   **CS 481** **(3)**
[ ]   **CS 483** **(3)**   [ ]   **CS 490** **(3)**

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** **(1-3)**   [ ]   **CS 300** **(3)**   [ ]   **CS 301** **(3)**   [ ]   **CS 398** **(1-3)**
[ ]   **CS 407** **(3)**   [ ]   **CS 498** **(1-3)**   [ ]   **CS 499** **(3)**

MATH/STATISTICS (15 SH – satisfies SKILL AREA II)
[ ]   **MATH 152** **(4)**   [ ]   **MATH 221** **(4)**   [ ]   **MATH 218** **(4)**
[ ]   **STAT 315** **(3)**

SCIENCE/QUANTITATIVE (15 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 (cannot include MATH courses.)

[ ] **PHYS 338** **(1)**   [ ]_____   [ ]_____   [ ]_____   [ ]_____

PHILOSOPHY: [ ] PHIL 245 (3)

<div align="center">FREE ELECTIVES (0-18 SEMESTER HOURS, to make 122 credits total):</div>

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

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