

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

Sample Program

This program applies to students with less than 15 credits

B. S. in Computer Science (Honors)

A CSAB Accredited Program

Fall 1998

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 215/315 Statistics	3
Phil 242 Ethical Issues	3	GE Elective	3
GE Elective	3	GE Elective	<u>3</u>
GE Elective	<u>3</u>		
	16		15

THIRD YEAR

CS Emphasis I *	3	CS Emphasis II *	3
Lab Science I **	4	Lab Science II **	4
GE Elective	3	Alternate CS Emphasis I *	3
GE Elective	3	GE Elective	3
GE Elective	<u>3</u>	GE Elective	<u>3</u>
	16		16

FOURTH YEAR

CS Emphasis III *	3	CS Elective	3
Alternate CS Emphasis II *	3	CS Elective	1
Quantitative Elective	3	Free Elective	3
Free Elective	3	Free Elective	<u>3</u>
Free Elective	<u>3</u>	Quantitative Elective	3
	15		13

* Emphasis Sequences: 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.

Rev'd 8/98

GENERAL EDUCATION (32-38 SEMESTER HOURS)

Arts & Humanities	<input type="checkbox"/>	<u>Literature</u>	(3)	<input type="checkbox"/>	_____	(3)	<input type="checkbox"/>	_____	(3)
Study Area I *									
Social Sciences	<input type="checkbox"/>	<u>History</u>	(3)	<input type="checkbox"/>	_____	(3)	<input type="checkbox"/>	_____	(3)
Study Area II *									
Behavioral Sciences	<input type="checkbox"/>	_____	(3)	<input type="checkbox"/>	_____	(3)			
Study Area III									
Natural Sciences	<input checked="" type="checkbox"/>	<u>See Below</u>		<input checked="" type="checkbox"/>	<u>See Below</u>				
Study Area IV									

Communication	<input type="checkbox"/>	<u>ENG 110</u>	(3)	<input type="checkbox"/>	_____	(3)			
Skill Area I ◊									
Mathematics	<input checked="" type="checkbox"/>	<u>See Below</u>		<input checked="" type="checkbox"/>	<u>See Below</u>				
Skill Area II									
Foreign Language	<input type="checkbox"/>	_____	(0-6)	<u>See</u>	<u>Details in</u>				
Skill Area III					<u>Catalog</u>				
University Requirement	<input type="checkbox"/>	<u>PE 244</u>	(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 _____.

CS MAJOR (72 SEMESTER HOURS)

COMPUTER SCIENCE CORE (21 SEMESTER HOURS):

<input type="checkbox"/>	CS 151	(4)	<input type="checkbox"/>	CS 152	(4)	<input type="checkbox"/>	CS 161	(1)
<input type="checkbox"/>	CS 253	(3)	<input type="checkbox"/>	CS 254	(3)	<input type="checkbox"/>	CS 354	(3)
<input type="checkbox"/>	CS 355	(3)						

COMPUTER SCIENCE EMPHASIS (15 SEMESTER HOURS):

(Must complete one row, plus one course each in two other rows)

1)	<input type="checkbox"/>	CS 464	<input type="checkbox"/>	CS 465	<input type="checkbox"/>	CS 481
2)	<input type="checkbox"/>	CS 385	<input type="checkbox"/>	CS 485	<input type="checkbox"/>	CS 486
3)	<input type="checkbox"/>	CS 410	<input type="checkbox"/>	CS 420	<input type="checkbox"/>	CS 473
4)	<input type="checkbox"/>	CS 423	<input type="checkbox"/>	CS 462	<input type="checkbox"/>	CS 490
5)	<input type="checkbox"/>	CS 460	<input type="checkbox"/>	CS 463	<input type="checkbox"/>	CS 483

COMPUTER SCIENCE ELECTIVES (4 SEMESTER HOURS): Electives from other courses in the emphasis areas or the following:

<input type="checkbox"/>	CS 290	<input type="checkbox"/>	CS 300	<input type="checkbox"/>	CS 398	<input type="checkbox"/>	CS 407
<input type="checkbox"/>	CS 498	<input type="checkbox"/>	CS 499	<input type="checkbox"/>	PHYS 338	<input type="checkbox"/>	PHYS 339
<input type="checkbox"/>	PHYS 340	<input type="checkbox"/>					

MATH/STATISTICS (15 SEMESTER HOURS – SATISFIES SKILL AREA II)

<input type="checkbox"/>	MATH 122	(4)	<input type="checkbox"/>	MATH 221	(4)	<input type="checkbox"/>	MATH 218	(4)
<input type="checkbox"/>	STAT 215/315	(3)						

SCIENCE/QUANTITATIVE (14 SEMESTER HOURS –SATISFIES Study Area IV) (must include Bio 121 & 122 or Chem 121 & 122 or ESCI 121 & 122 & 123 or Phys 125 & 126; Remaining courses can be any science course, ECON 485, GEOG 478, PSY 221, PSY 222, SOC 222, SOC 480, OR STAT 456; cannot include MATH courses)

_____ _____ _____ _____

PHILOSOPHY: PHIL 242 (3)

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

_____ _____ _____ _____