

CENTRAL CONNECTICUT STATE UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE

Sample Program – Suggested Guideline

B. S. Computer Science (Honors)
[CAC of ABET Accredited Program]
FALL 2004

FIRST YEAR FALL

CS 151- CS I	3
MATH 152 Calculus I	4
ENG 110 FYE section	3
GE Elective	3
PE 244	<u>2</u>
	15

SPRING

CS 152 - CS II	3
MATH 221 Calculus II	4
CS 254 Assembly Language	3
GE Elective	<u>3</u>
	13

SECOND YEAR

CS 153 – CS III	3
MATH 218 Discrete Math	4
PHIL 245 Computer Ethics	3
GE Elective	3
GE Elective	3
	16

CS 253 Data/File Structures	3
CS 354 Digital Design	3
STAT 315 Statistics	3
GE elective	3
GE elective	3
	15

THIRD YEAR

CS 355 Systems Program'g	3
CS Adv. Area *	4
Lab Science I ** PHYS 338	3
GE Elective	3
GE Elective	<u>3</u>
	16

CS Adv. Area *	3
Lab Science II **	4
CS Adv. Dir. Elective *	3
GE Elective	3
GE Elective	<u>1</u>
	14

FOURTH YEAR

CS Adv. Dir. Elective *	3
CS Adv. Dir. Elective *	3
Science/Quantitative Elective	3
Free Elective	3
Free Elective	<u>3</u>
	15

CS Auxiliary Elective *	3
CS Auxiliary Elective *	1
Free Elective	3
Free Elective	3
Science/Quantitative Elective	<u>3</u>
	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.

GENERAL EDUCATION (32-38 SEMESTER HOURS)

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

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

*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

[] _____

MAJOR: COMPUTER SCIENCE (HONORS)

CS CORE (18 SH):

[]	CS 151	(3)	[]	CS 152	(3)	[]	CS 153	(3)
[]	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 460	(3)	[]	CS 481	(3)
[]	CS 462	(3)	[]	CS 423	(3)	[]	CS 473	(3)	[]	CS 490	(3)
[]	CS 483	(3)	[]								(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)

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

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

(MATH 119 is prerequisite for CS 151)