

CENTRAL CONNECTICUT STATE UNIVERSITY  
DEPARTMENT OF COMPUTER SCIENCE

Sample Program  
B.S. in Computer Science (Honors)  
Fall, 2014

Accredited by:  
Computing Accreditation Commission (CAC) of  
Accreditation Board for Engineering & Technology (ABET)

	FALL		SPRING
<b><u>FIRST YEAR</u></b>			
CS 151 – CS I	3	CS 152 – CS II	3
Math 152 – Calculus I	4	Math 221 – Calculus II	4
Eng 110 (FYE Section)	3	CS 254 – Assembly Language	3
GE Elective	3	GE Elective	3
PE 144	<u>2</u>	GE Elective	<u>3</u>
	15		16
<b><u>SECOND YEAR</u></b>			
CS 153 – CS III	3	CS 253 – Data/File Structures	3
Math 218 – Discrete Math	4	CS 385 – Computer Architecture	3
Phil 245 – Computer Ethics	3	Math 226 - Linear Algebra & Probability for Engineers	4
CS 354 – Digital Design	3	GE Elective	3
GE Elective	<u>3</u>	Free Elective	<u>3</u>
	16		16
<b><u>THIRD YEAR</u></b>			
CS 355 – Systems Programming	3	CS Adv. Elective*	3
CS Adv. Elective*	3	CS Adv. Elective*	3
Lab Science I**	4	Lab Science II**	4
GE Elective	3	GE Elective	3
GE Elective	<u>3</u>	GE Elective	<u>3</u>
	16		16
<b><u>FOURTH YEAR</u></b>			
CS Adv. Elective*	3	CS Adv. or Aux. Elective*	3
CS 410	3	CS 498	3
Science Elective	3	Free Elective	3
GE Elective	3	GE Elective	3
Free Elective	<u>3</u>	Science Elective	<u>3</u>
	15		15

\*See back page

\*\*Bio 121 & 122; Chem 161, 162, 200 & 201; or Phys 125 & 126

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

**GENERAL EDUCATION (38-45 SEMESTER HOURS)**

Arts & Humanities Study Area I *	[ ]	<u>Literature</u>	(3)	[ ]	_____	(3)	[ ]	_____	(3)
Social Sciences Study Area II *	[ ]	<u>History</u>	(3)	[ ]	_____	(3)	[ ]	_____	(3)
Behavioral Sciences Study Area III	[ ]	_____	(3)	[ ]	_____	(3)			
Natural Sciences Study Area IV	[ x ]	<u>See below</u>		[ x ]	<u>See below</u>				
Communication Skill area I ♦	[ ]	<u>ENG 110</u>	(3)	[ ]	_____	(3)			
Mathematics Skill Area II	[ x ]	<u>See Below</u>		[ x ]	<u>See Below</u>				
Foreign Language Skill Area III	[ ]	_____	(0-6)		<u>See Details in Catalog</u>				
University Requirement Skill Area IV +	[ ]	<u>PE 144</u>	(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 both ENG 202 and ENG 110.

+ PE 144 Required of students entering with less than 15 credits. See catalog.

**INTERNATIONAL COURSES** (1): 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

[ ] \_\_\_\_\_

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**MAJOR: COMPUTER SCIENCE (HONORS)**

**CORE COURSES (24 SEMESTER HOURS):**

[ ] CS 151 (3)      [ ] CS 152 (3)      [ ] CS 153 (3)      [ ] CS 253 (3)

[ ] CS 254 (3)      [ ] CS 354 (3)      [ ] CS 355 (3)      [ ] CS 385 (3)

**ADVANCED ELECTIVES CHOICE OF 4 COURSES: (12 SEMESTER HOURS):**

[ ] CS 407 (1-3)      [ ] CS 415 (3)      [ ] CS 416 (3)      [ ] CS 423 (3)

[ ] CS 425 (3)      [ ] CS 460 (3)      [ ] CS 462 (3)      [ ] CS 463 (3)

[ ] CS 464 (3)      [ ] CS 465 (3)      [ ] CS 473 (3)      [ ] CS 481 (3)

[ ] CS 483 (3)      [ ] CS 490 (3)      [ ] CS 491 (3)      [ ] CS 492 (3)      [ ] CS 495 (3)

**AUXILIARY ELECTIVES (3 SEMESTER HOURS) 1 COURSE FROM ADVANCED ELECTIVES OR THE FOLLOWING:**

[ ] CS 290 (1-3)      [ ] CS 300 (3)      [ ] CS 301 (3)      [ ] CS 398 (1-3)      [ ] CS 499 (3)

**CAPSTONE REQUIREMENT (6 SEMESTER HOURS)** [ ] CS 410 (3)      [ ] CS 498 (3)

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**MATH/STATISTICS (16 SEMESTER HOURS—SATISFIES SKILL AREA II)**

[ ] MATH 152 (4)      [ ] MATH 218 (4)      [ ] MATH 221 (4)      [ ] MATH 226 (4)

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**SCIENCE/QUANTITATIVE (15 SEMESTER HOURS – SATISFIES STUDY AREA IV)**

**ONE OF THE FOLLOWING SEQUENCES: BIO 121 & 122; CHEM 161, 162, 200 & 201; OR PHYS 125 & 126 – PLUS AN ADDITIONAL 7 CREDITS IN SCIENCE, MATH (MATH 119 OR ABOVE), OR STAT (not counting those in Math/Statistics category)**

[ ] \_\_\_\_\_ [ ] \_\_\_\_\_ [ ] \_\_\_\_\_ [ ] \_\_\_\_\_ [ ] \_\_\_\_\_

**PHILOSOPHY:** [ ] PHIL 245 (3) or [ ] PHIL 242 (3)

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

[ ] \_\_\_\_\_ [ ] \_\_\_\_\_ [ ] \_\_\_\_\_ [ ] \_\_\_\_\_

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(MATH 152 is a co-requisite for CS 151)