

Central Connecticut State University

BS Computer Science

Alternative Program

Name: _____ ID#: _____

Effective Fall 2018

General Education

<u>Study Area I - Arts & Humanities (9 credits)</u>	credits	grade
Literature	3	

<u>Study Area II - Social Sciences (9 credits)</u>	credits	grade
HIST	3	

<u>Study Area III - Behavioral Sciences (6 credits)</u>	credits	grade

<u>Study Area IV - Natural Sciences (6-7 credits)</u>	credits	grade

<u>Skill Area I - Communication Skills (6 credits)</u>	credits	grade
WRT 105 or 110 College Writing		

<u>Skill Area II - Mathematical (6 credits)</u>	credits	grade
MATH 152 Calculus I	4	
MATH 217/218 Discrete Math for CS Majors	4	

<u>Skill Area III - Foreign Language (check one)</u>	credits	grade
3 sequential years of one foreign language at the high school level		
passed the foreign language placement exam		
completed 112 or 118 foreign language courses		
demonstration of native proficiency in a language other than English		

<u>Skill Area IV - Univ. Requirements (2-3 credits)</u>	credits	grade
PE 144 - Fitness / Wellness	2	
Other unused skill area course for Transfer Students		

<u>Other Graduation Requirements</u>	credits	grade
International Requirement		
International Requirement		
FYE* - students entering with less than 15 cr		

*First Year Experience

A minimum of 30 credits 'in residence', with at least 15 credits in the major and 9 credits in the minor, is required for a bachelor's degree

Major Requirements

(38 credits total, including MATH 152 and 217/218)

<u>Core Requirements (15 credits)</u>	credits	grade
CS 151 Computer Science I	3	
CS 152 Computer Science II	3	
CS 153 Computer Science III	3	
CS 253 Data and File Structures	3	
CS 254 Comp Org & Assembly Lang Prog	3	

<u>Computer Science - Electives (15 credits)*</u>	credits	grade

* Only courses numbered 225 and above can be counted in this area.
 Any combination of the following courses totaling 15 semester hours -
 CS 225, 290, 291, 300, 354, 355, 385, 398, 407, 410, 415, 416, 417, 418, 423,
 425, 460, 462, 463, 464, 465, 473, 481, 483, 490, 492, 493, 494, 495, 498.
 Note: At least 12 credits must be 300 level or higher.)

<u>Minor (18-24 credits)</u>	credits	grade

<u>Concentration in Cybersecurity (Optional)</u>	credits	grade
CS 291 Introduction to Computer Forensics	3	
CS 492 Computer Security	3	
CS 493 Secure Software Systems	3	
CS 494 Cryptographic Systems	3	

<u>Electives (to complete the required 120 credits)</u>	credits	grade