Central Connecticut State University

BS Computer Science

Alternative Program

Name:_____ ID#:_____

Effective Fall 2020

General Education

Study Area I - *Arts & Humanities (9 credits)*

	credits	grade
Literature	3	

Study Area II - *Social Sciences (9 credits)*

HIST	3	

Study Area III - *Behavioral Sciences (6 credits)*

Study Area IV - *Natural Sciences (6-7 credits)*

Skill Area I - *Communication Skills (6 credits)*

WRT 105 or 110 College Writing		

Skill Area II - *Mathematical (6 credits)*

MATH 152 Calculus I	4	
MATH 217/218 Discrete Math for CS Majors	4	

Skill Area III - *Foreign Language (check one)*

	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

Skill Area IV - *Univ. Requirements (2-3 credits)*

PE 144 - Fitness / Wellness	2	
Other unused skill area course for Transfer Students		

Other Graduation Requirements

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)

Core Requirements *(15 credits)*

		credits	grade
CS 151	Computer Science I	3	
CS 152	Computer Science II	3	
CS 253	Data and File Structures	3	
CS 254	Comp Org & Assembly Lang Prog	3	
CS 355	Systems Programming	3	

Computer Science - Electives *(15 credits)* *

* 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, 385, 398, 407, 410, 415, 416, 417, 418, 419, 423, 425, 455, 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.)

Minor *(18-24 credits)*

Concentration in Cybersecurity (Optional) *(total of 12 semester hours)*

CS 492 Computer Security	3	
	3	
	3	
	3	

CS 492 plus any combination of the following courses totaling 9 semester hours - CS 291, 419, 455, 493, 494

Electives *(to complete the required 120 credits)*