

Central Connecticut State University

BS Computer Science

Honors Program

Effective Fall 2018

Name: _____

ID#: _____

General Education

Study Area I - Arts & Humanities (9 credits)

	credits	grade
Literature	3	

Study Area II - Social Sciences (9 credits)

	credits	grade
HIST	3	

Study Area III - Behavioral Sciences (6 credits)

	credits	grade

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

	credits	grade

Skill Area I - Communication Skills (6 credits)

	credits	grade
WRT 105 or 110 College Writing		

Skill Area II - Mathematical (6 credits)

	credits	grade
MATH 152 Calculus I	4	
MATH 217 or 218 Discrete Math	4	

Skill Area III - Foreign Language (one)

3 years of one foreign language / HS level		
passed the foreign language placement exam		
completed 112 or 118 foreign lang courses		
native prof. in language other than English		

Skill Area IV - Univ. Requirements

	credits	grade
PE 144 - Fitness / Wellness	2	

Major Requirements

Core Requirements - (33 credits)		credits	grade
CS 151	Computer Science I	3	
CS 152	Computer Science II	3	
CS 253	Data and File Structures	3	
CS 254	Assembly Lang Prog	3	
CS 354	Digital Systems Design	3	
CS 355	Systems Programming	3	
CS 385	Computer Architecture	3	
CS 463	Algorithms	3	
CS 464	Programming Languages	3	
CS 483	Theory of Computation	3	
CS 492	Computer Security	3	

Advanced Electives (9 credits) - Choice of 3

	credits	grade
	3	
	3	
	3	

Any combination of the following courses totaling 9 semester hours-CS 407, 415, 416, 417, 418, 423, 425, 460, 462, 465, 473, 481, 490, 491, 493, 494, 495

Auxiliary Electives (3 credits)

	credits	grade
	3	

3 credits - CS 290, CS 291, 300, 398, 499 or an additional Advanced Elective

Capstone Requirement (6 credits)

CS 410	Software Engineering	3	
CS 498	Senior Project	3	

Math/Statistics (16 credits - Satisfies Skill Area II)

MATH 152	Calculus I	4	
MATH 217 or 218	Discrete Math	4	
MATH 221	Calculus II	4	
MATH 226	Linear Algebra & Prob	4	

Science

(8 credits) - Satisfies Study Area IV	credits	grade

One of the following sequences -BIO 121 & 122 or CHEM 161, 162, 200, 201 or PHYS 125 & 126 or GSCI 121, 125, 141, 145.

ETS Proficiency Exam Requirement	
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Concentration in Cybersecurity (optional)

CS 291 Introduction to Computer Forensics	3	
CS 493 Secure Software Systems	3	
CS 494 Cryptographic Systems	3	

Free Electives (to complete the required 120 credits)

	credits	grade

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