SUNY CANTON: CYBERS ECURITY (2698) **CURRICULUM CHECK SHEET - FALL 2023**

1st Semeste	r - Fall		Term	Grade	Students need to pass a total of 30 GER credits		
CITA/CYBR	Computer Logic		161111	Grade	with a course in at least 7 of the 10 categories		
152		3			(four categories are required-BOLDED BELOW)		
CYBR 165	Survey of Cybersecurity	3			,		
ENGL 101	Composition and the Spoken Word (GER 1/2)	3			Required Categories SEM GRADE		
MATH	Math Elective ¹ (GER 4)	3-4			(1) Communication: Written		
IVIATTI	Natural Science Elective (GER 5)	3			(1) Communication. Written		
2 nd Semeste				(2) Communication: Oral			
CITA/CYBR	Computer Concepts & OS	I		1	(3) Diversity: Equity, Inclusion, Social		
170		3			Justice		
CITA/CYBR 171	OS Use & Administration	3					
MATH 141	Statistics (GER 4)	3			(4) Mathematics & Quantitative Reasoning		
	Liberal Arts Elective (GER 3)	3					
	Liberal Arts Elective (GER 6,8,9,10,11)	3			(5)Natural Science & Scientific Reasoning		
3rd Semester	r - Fall						
CITA/CYBR 180	Intro to Programming	4			(6) Humanities		
CITA/CYBR 215	Database Apps & Concepts	3					
CITA/CYBR 220	Data Com & Network Tech	3			(7) Social Science		
220	Liberal Arts Elective (GER 7)	3					
	Liberal Arts Elective (GER 6,8,9,10,11)	3			(8) The Arts		
4th Semeste					(b) The This		
CITA/CYBR 204	Systems Analysis & Design (WI)**	3			(9) US History & Civic Engagement		
CITA/CYBR 250	Information Security	3					
230	Program Elective*	3					
	Liberal Arts Elective (Any GER)	3			(10) World History & Global Awareness		
	Liberal Arts Elective (Any GER)	3			(10) World History & Global Awareness		
	Liberal Arts Elective (Arty GETY)	3			(11) World Languages		
5th Semester - Fall					(11) World Languages		
MATH 351	Discrete Mathematics	3					
WATTIOOT	Network Security Elective ³	3			REPEATED CATAGORIES		
	Data Security Elective ⁴	3			REPEATED CATAGORIES		
	Liberal Arts Elective	3					
	General Elective	3					
Cth C	-	3					
6th Semester - Spring							
CITA/CYBR 352	Ethical Hacking & Penetration Testing	3			Progress Notes:		
	Network Security Elective ³	3					
	Data Security Elective ⁴	3					
	Liberal Arts Elective	3					
	General Elective	3					
7 th Semester	- Fall						
CYBR 450	Cybersecurity Body of Knowledge	3					
	Liberal Arts Elective	3					
	UL Liberal Arts Elective	3					
	UL Liberal Arts Elective	3					
	UL Liberal Arts Elective	3					
8th Semeste							
	UL General Elective	3					
	UL Liberal Arts Elective	3					
	UL Liberal Arts Elective	3					
CYBR 485	Cybersecurity Practice OR	6					
2.2	UL Program Elective ²	3					
	UL Program Elective ²	3			**(WI) writing intensive course		
	TOTAL CREDITS (124-125)				Revised Fall 23		
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STUDENT			
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¹MATH 121 or higher

²Program Elective – CYBR, CITA, JUST, DATA ³Network Security Elective – CYBR 354, CYBR 356, CITA/CYBR 440

⁴Data Security Elective – CITA/CYBR 360, CITA/CYBR/JUST 365, CYBR/CITA 455

^{*} Program Elective - CYBR, CITA, JUST, students may have the option to replace the program elective with CITA 175, CITA 221, and/or CITA 441. Consult your faculty advisor.