SUNY Orange Comp Sci   *SUNY Canton CybeR*

Semester	Course #	SUNY Orange Community College A.S. – Computer Science — Course Name	Cr	Course #	SUNY Canton BS- Cybersecurity (2698) — Course Name	Cr
1	CSC 138	Scripting	3	CITA 152	Computer Logic	3
				CYBR 165	Survey of Cybersecurity	3
	ENG 101	Freshman English 1	3	ENGL 101	Composition and the Spoken Word (GER 10)	3
	MAT 205	Calculus 1	4	MATH___	Math Elective[1] (GER 1)	3-4
	ENG 102	Freshman English 2	3		Liberal Arts Elective (GER 2, 4, 5, 6, 7, 8, 9)	3
2	CSC 204	Computer Organization & Assembly	3	CITA 170	Computer Concepts and Operating Systems	3
	CSC 201	Data Structures	3	CITA 175	Computer Concepts & Operating Systems Lab	1
				CITA 171	Operating Systems Use & Administration	3
	MAT 120	Introduction to Statistics	3	MATH 141	Statistics (GER 1)	3
	HIS ___	Restricted History Elective	3		Liberal Arts Elective (GER 2, 4, 5, 6, 7, 8, 9)	3
	PHY 105	General Physics 1 w/calculus	4		Liberal Arts Elective (GER 2, 4, 5, 6, 7, 8, 9)	3
3	CSC 102	Computer Science 1	4	CITA 180	Intro to Programming	4
				CITA 215	Database Concepts & Applications	3
				CITA 220	Data Communications & Network Tech	3
	CSC 201	Data Structures	3	CITA 221	Data Communications & Network Tech Lab	1
		SUNY Social Science (GE 3)	3		Liberal Arts Elective (GER 3)	3
		Restricted SUNY Elective	3		Liberal Arts Elective (GER 2, 4, 5, 6, 7, 8, 9)	3
4				CITA 204	Systems Analysis & Design (WI)**	3
				CITA/CYBR 250	Information Security	3
	COM 101	Foundations of Communication	3		Liberal Arts Elective (ANY GER)	3
	MAT 206	Calculus 2	4		Liberal Arts Elective (ANY GER)	3
	MAT 211	Linear Algebra	3		Liberal Arts Elective	3
5	MAT 136	Discrete Mathematics	3	MATH 351	Discrete Mathematics (LA)	3
					Network Security Cluster	3
				CITA/CYBR 365	Digital Forensic Analysis (Data Security Cluster)	3
	EET 104	Digital Electronics 1	4		General Elective	3
	PHY 106	General Physics 2 w/calculus	4		Liberal Arts Elective	3
6				CITA 352	Ethical Hacking and Penetration Testing	3
					Network Security Cluster	3
					Data Security Cluster	3
					Liberal Arts Elective	3
	CSC 102	Computer Science 2	4		General Elective	3
7				CITA 450	Cybersecurity Body of Knowledge	3
					U/L Liberal Arts Elective	3
					U/L Liberal Arts Elective	3
					U/L Program Elective	3
					Liberal Arts Elective	3
8					U/L General Elective	3
					U/L Liberal Arts Elective	3
					U/L Liberal Arts Elective	3
				CYBR 485	Cybersecurity Practice OR	6
					U/L Program Elective	3
					U/L Program Elective	3
		Accepted Transfer Credit Total	64		SUNY Program Credit Total	123-124

Transfer credit option available

Program Electives-CYBR, CITA, JUST
Seven of ten SUNY GER academic areas (including mathematics and basic communication) and 30 credits of
 SUNY GER courses must be completed within the first two years of full-time study of the program.
Network Cluster-CYBR 354, CYBR 356, CITA 440/441
Data Security Cluster-CYBR 360, CYBR/JUST 365, CYBR 455
1 Minimum mathematics requirement is MATH 121 College Algebra.
2 Fulfills writing intensive requirement.

ADDITIONAL GRADUATION REQUIREMENTS

Each required CYBR/CITA course used to meet graduation requirements must have a grade of C or higher or transfer credit. No more than 3 CITA credits with a course number below CITA 150 may be used for credit towards graduation.

STUDENT ELIGIBILITY: Graduates of Associate of Science – Accounting program at SUNY Orange Community College must possess a **minimum cumulative grade point average of 2.0 on a 4.0 scale**. SUNY Canton **assures acceptance for SUNY Orange Community College students who have a cumulative GPA of 3.0 or better**. Students are encouraged to apply during their last semester at SUNY Orange Community College.

Program Contact
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Canton, New York 13617
Ericksone@canton.edu

REV JUNE 2020

APPROVALS

SUNY Orange Community College:

_____

Dr. Erika Hackman
Vice President for Academic Affairs

9/29/21
_____
Date

_____

Bruce Roman
Chairperson, Department of Computer Science
and Technology

4/20/2021
_____
Date

SUNY Canton:

_____

Dr. Ken Erickson
Dean, School of Science, Health, and Criminal
Justice

04/14/2021
_____
Date

_____

Dr. Elizabeth Brown
Director of the Center for CJ, Intelligence and Cybersecurity

04/14/2021
_____
Date

REV JUNE 2020