	Finger Lakes Community College A.A.S. – Networking and Cybersecurity			SUNY Canton BS– Cybersecurity (2698)		
Semester	**Course #**	**Course Name**	**Cr**	**Course #**	**Course Name**	**Cr**
1	CSC 115	CS1: Intro to Programming and Computational Thinking	3	CITA 152	Computer Logic	3
	CSC 142	Fundamentals of Information Systems	3	CITA 165	Survey of Cybersecurity	3
	ENG 101	Composition I	3	ENGL 101	Composition and the Spoken Word (GER 10)	3
	MAT 122	Introductory Statistics II	3	MATH___	Math Elective[1] (GER 1)	3
		American History Elective (GER 4)	3		Liberal Arts Elective (GER 4)	3
Semester	**Course #**	**Course Name**	**Cr**	**Course #**	**Course Name**	**Cr**
2	CSC 271	Hardware and Operating Systems	3	CITA 170	Computer Concepts and Operating Systems	3
	CSC 231	Systems Administration	3	CITA 175	Computer Concepts & Operating Systems Lab	1
	CSC 272	Linux	3	CITA 171	Operating Systems Use & Administration	3
	MAT 121	Introductory Statistics I	3	MATH 141	Statistics (GER 1)	3
					Liberal Arts Elective (GER 6)	3
					Liberal Arts Elective (GER 7)	3
Semester	**Course #**	**Course Name**	**Cr**	**Course #**	**Course Name**	**Cr**
3				CITA 180	Intro to Programming	4
				CITA 215	Database Concepts & Applications	3
	CSC 260	Networking Technologies	3	CITA 220	Data Communications & Network Tech	3
	CSC 261	Routing and Switching	3	CITA 221	Data Communications & Network Tech Lab	1
	SOC__	Sociology Elective	3		Liberal Arts Elective (GER 3)	3
					SUNY Gen. Ed. Elective (GER 2, 5, 8, 9)	3
Semester	**Course #**	**Course Name**	**Cr**	**Course #**	**Course Name**	**Cr**
4				CITA 204	Systems Analysis & Design (WI)**	3
	CSC 270	Principles of Information Security	3	CITA 250	Information Security	3
	ENG 113	Technical Ethics (GER 10)	3		Liberal Arts Elective (ANY GER)	3
	COM 100	Human Communication (GER 10)	3		Liberal Arts Elective (ANY GER)	3
					Liberal Arts Elective	3
Semester	**Course #**	**Course Name**	**Cr**	**Course #**	**Course Name**	**Cr**
5				MATH 351	Discrete Mathematics (LA)	3
	CSC 248	PowerShell (C354)	3		Network Security Elective[3]	3
					Data Security Elective[4]	3
	CSC 103	Computing Sciences Portal	3		General Elective	3
					U/L Liberal Arts Elective	3
Semester	**Course #**	**Course Name**	**Cr**	**Course #**	**Course Name**	**Cr**
6	CSC 273	Ethical Hacking	3	CITA 352	Ethical Hacking and Penetration Testing	3
					Network Security Elective[3]	3
	CSC 274	Digital Forensics (C365)	3		Data Security Elective[4]	3
					Liberal Arts Elective	3
					U/L Liberal Arts Elective	3
Semester	**Course #**	**Course Name**	**Cr**	**Course #**	**Course Name**	**Cr**
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
Semester	**Course #**	**Course Name**	**Cr**	**Course #**	**Course Name**	**Cr**
8	CSC 2XX		3		General Elective	3
	CSC 250	Computing Sciences Internship	3		General 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		**63**	**SUNY Program Credit Total**		**123**

Program Electives

CYBR, CITA, JUST

Additional Notes
L/L = Lower Level Courses (100/200)
U/L = Upper Level Courses (300/400)
GER = General Education Requirement

[1]Minimum mathematics requirement is MATH 121 – College Algebra
[3]Network Security Elective – CYBR 354, CYBR 356, CIA 440/441
[4]Data Security Elective – CITA 360, CITA/JUST 365, CYBR 455

All CITA courses presented for graduation must have a grade of C (or better) or transfer credit.
No more than three CITA credits with a course number below CITA 150 may be used for credit towards graduation.
All graduates must have a minimum of 45 U/L credits and a minimum of 60 Liberal Arts and Sciences credits.

Seven of ten SUNY General Education Requirement academic areas (including mathematics and basic communication) and 30 credits of SUNY General Education courses must be completed within the first two years of full-time study of the program. The list of areas is 1. Mathematics; 2. Natural Sciences; 3. Social Sciences; 4. American History; 5. Western Civilization; 6. Other World Civilization; 7. Humanities, 8. Arts; 9. Foreign Language; 10. Basic Communication

STUDENT ELIGIBILITY: Graduates of <u>Associate of Applied Science – Networking and Cybersecurity</u> program at <u>Finger Lakes Community College</u> must possess a **minimum cumulative grade point average of 2.0 on a 4.0 scale**. SUNY Canton **assures acceptance for Finger Lakes Community College students who have <u>a cumulative GPA of 3.0 or better</u>**. Students are encouraged to apply during their last semester at Finger Lakes Community College.

Program Contact
Dr. Liz Brown
SUNY Canton
34 Cornell Drive, CH125
Canton, New York 13617
Ericksone@canton.edu

APPROVALS

Finger Lakes Community College:

Jacob Amidon Associate Vice President of Academic Affairs   Date   SePt. 12, 2019

William McLaughlin
Chair, Computer Science Department   Date   9/12/19

SUNY Canton:

Dr. Ken Erickson
Dean, School of Science, Health, and
Criminal Justice   Date   9/27/19

Dr. Liz Brown
Director of the Center for CJ,
Intelligence, and Cybersecurity   Date   09/26/19

REV September 2019