Effective dates: *September 1, 2020* through *August 31, 2023*

	SUNY Erie Community College **A.S. – Computer Science**			**SUNY Canton** **B. Tech– Information Technology (2045)**		
Semester	**Course #**	**Course Name**	**Cr**	**Course #**	**Course Name**	**Cr**
1				BSAD 100	Introduction to Business	3
				CITA 163	Survey of Information Technology	3
	CS 121	Computer Science I	4	CITA 152	Computer Logic	3
	EN 100	Composition I: Rhetorical Strategies	3	ENGL 101	Composition and the Spoken Word (GER 10)	3
	MT 181	Calculus and Analytic Geometry I	4	MATH __	Mathematics Elective[1]	3
Semester	**Course #**	**Course Name**	**Cr**	**Course #**	**Course Name**	**Cr**
2	CS 221	Machine Organization and Assembly Language Programming	4	CITA 170	Computer Concepts & Operating Systems	3
				CITA 175	Computer Concepts & Operating Systems Lab	1
				CITA 171	Operating Systems Use & Administration	3
				MATH 141	Statistics (GER 1)	3
	EN 102	Composition for the STEM Disciplines (GER 7)	3		GER Elective	3
		SUNY Gen. Ed. Natural Sciences Elective	4		GER Elective	3
Semester	**Course #**	**Course Name**	**Cr**	**Course #**	**Course Name**	**Cr**
3	CS 132	Computer Science II	4	CITA 180	Introduction to Programming	4
				CITA 215	Database Apps and Concepts	3
				CITA 220 & CITA 221	Data Comm & Network Tech and Lab	4
	EC 102 or #C 103	Macroeconomics or Microeconomics (SUNY Gen. Ed. Social Science Elective (GER 3)	3	ECON 101 -or- ECON 103	Macroeconomics (GER 3) -OR- Microeconomics (GER 3)	3
		SUNY Gen. Ed. Natural Sciences Elective	4		GER Elective	3
Semester	**Course #**	**Course Name**	**Cr**	**Course #**	**Course Name**	**Cr**
4				CITA 204	Systems Analysis and Design[2]	3
				CITA 250	Information Security	3
		SUNY Gen. Ed. Humanities Elective (GER 7, 8, or 9)	3		GER Elective	3
		SUNY Gen. Ed. Liberal Arts Elective	3		GER Elective	3
		SUNY Gen. Ed. Liberal Arts Elective	3		GER Elective	3
Semester	**Course #**	**Course Name**	**Cr**	**Course #**	**Course Name**	**Cr**
5				BSAD 301	Principles of Management	3
				CITA 300	Management Information Systems	3
				CITA 310	Web Server Administration	3
				SOET 361	Project Management	3
					Accounting[3]	4
Semester	**Course #**	**Course Name**	**Cr**	**Course #**	**Course Name**	**Cr**
6				CITA 330	Emerging IT Applications	3
				CITA 400	Quantitative Approaches to Management	3
				SOET 370	Engineering Economics	3
					U/L Program Elective[4]	3
	MT 182	Calculus and Analytic Geometry II	4		Program Elective[4]	3
		Approved Elective	4		Program Elective[4]	3
Semester	**Course #**	**Course Name**	**Cr**	**Course #**	**Course Name**	**Cr**
7				CITA 440 & 441	Network Management and Lab	4
	MT 167	Discrete Mathematics	4		Program Elective[4]	3
					U/L Program Elective[4]	3
					U/L Liberal Arts/Science Elective	3
	CS 232	Advanced Data Structures	4		General Elective	3
Semester	**Course #**	**Course Name**	**Cr**	**Course #**	**Course Name**	**Cr**
8				CITA 460	IT & Networked Economy	3
				SOET 477	Capstone Project	3
				CITA 480	IT Internship Or (2) U/L Program Electives[4]	6
	Accepted Transfer Credit Total		**58**	**SUNY Program Credit Total**		**123**

‡ Transfer credit option available

‡ **Multiple transfer credit options available depending on elective courses selected. Credits for these requirements will be accepted as follows:**

SUNY Erie A.S. – Computer Science			SUNY Canton B. Tech– Information Technology (2045)		
Course #	Course Name	Cr	Course #	Course Name	Cr
	Humanities Elective (GER 7, 8, or 9)	3		General Education Elective (GER 7, 8, or 9)	3
	Social Science Elective (GER 3, 4, 5, or 6)	3		General Education Elective (GER 3, 4, 5, or 6)	3
Additional Accepted Elective Transfer Credits		**6**		**Total Credits**	**6**

TOTAL Credits Accepted for Transfer (from both tables above): **64**

Additional Notes

U/L = Upper Division Course (300/400)

GER = General Education Requirement

Students in this program must take at least 45 upper division credits (course numbers 300/400) and a minimum of 30 Liberal Arts 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.

[1] Minimum mathematics requirement is MATH 121 College Algebra.

[2] Fulfills writing intensive requirement.

[3] ACCT 101 Financial Accounting or ACCT 104 Survey of Accounting recommended.

[4] Program Electives are courses from within the Canino SOET and the Business Department.

Student Learning Outcomes can be found at www.canton.edu/csoet/it/.

ADDITIONAL GRADUATION REQUIREMENTS

Students must take at least four upper level CITA courses and SOET 477 (Capstone Project) from SUNY Canton. Each required 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 Applied Science– Computer Information Systems program at SUNY Erie Community College must possess a **minimum cumulative grade point average of 2.0 on a 4.0 scale**. SUNY Canton **assures acceptance for SUNY Erie** Community College **students who have a cumulative GPA of 3.0 or better**. Students are encouraged to apply during their last semester at SUNY Erie Community College.

Program Contact

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Canton, New York 13617
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REV JUNE 2020

APPROVALS

SUNY Erie Community College:

No signatures required

SUNY Canton:

Michael Newtown	9/22/2020
Dean, Canino School of Engineering Technology	Date

Christopher Sweeney	09/22/2020
Program Director, Information Technology	Date

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