

SUNY CANTON - COMPUTER & INFORMATION TECHNOLOGY BT (2045)
FALL 2026

Semester:	1	15	NOTE
ENGL 101	COMPOSITION & THE SPOKEN WORD	3	
	Elective Mathematics	3	4
CITA 163	SURVEY OF INFORMATION TECHNOLOGY (CITA 110 can be substituted)	3	
BSAD 100	INTRODUCTION TO BUSINESS	3	
CITA 152	COMPUTER LOGIC	3	
Semester:	2	16	
MATH 141	STATISTICS	3	
	GER - Diversity: Equity, Inclusion, and Social Justice	3	
	GER - Natural Science and Scientific Reasoning	3	
CITA 170	COMPUTER CONCEPTS & OPERATING SYSTEMS	3	
CITA 171	OPERATING SYSTEM USE & ADMINISTRATION	3	
CITA 175	COMPUTER CONCEPTS & OPERATING SYSTEMS LAB	1	3
Semester:	3	17	
CITA 180	INTRODUCTION TO PROGRAMMING	4	
CITA 215	DATABASE APPLICATIONS AND CONCEPTS	3	
CITA 220	DATA COMMUNICATIONS & NETWORK TECHNOLOGY	3	
CITA 221	DATA COMMUNICATIONS & NETWORK TECHNOLOGY LAB	1	3
	GER Elective (7,8,9,10,11)	3	
ECON 101 ECON 103	PRINCIPLES OF MACROECONOMICS (101) OR PRINCIPLES OF MICROECONOMICS (103)	3	
Semester:	4	15	
	GER Elective (7,8,9,10,11)	3	
	GER Elective - Any	3	
	GER Elective - Any	3	
CITA 204	SYSTEMS ANALYSIS & DESIGN	3	
CYBR 250	INFORMATION SECURITY	3	
Semester:	5	16	
CITA 310	WEB SERVER ADMINISTRATION	3	
SOET 361	PROJECT MANAGEMENT	3	
CITA 300	MANAGEMENT INFORMATION SYSTEMS	3	
ACCT 101	FOUNDATIONS OF FINANCIAL ACCOUNTING	4	
BSAD 301	PRINCIPLES OF MANAGEMENT	3	

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Semester:	6	15	NOTE
	Program Elective - CITA/CYBR/DATA/GAME	3	
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ECON 370	ENGINEERING ECONOMICS	3	
	Program Elective Upper Level - CITA/CYBR/DATA/GAME	3	
Semester:	7	16	
CYBR 440	NETWORK MANAGEMENT	3	
CITA 441	NETWORK MANAGEMENT LAB	1	3
	Program Elective Upper Level - CITA/CYBR/DATA/GAME	3	
	Elective Upper Level Liberal Arts	3	
	Elective Upper Level	3	
	Elective	3	
Semester:	8	15	
CITA 460	INFORMATION TECHNOLOGY AND NETWORKED ECONOMY	3	
SOET 477	CAPSTONE PROJECT	3	
	CITA 480 Internship or two (2) Upper Level Program Elective Courses - CITA/CYBR/DATA/GAME	6	
CITA 330	EMERGING INFORMATION TECHNOLOGY APPLICATIONS	3	
		125	

NOTE

1. To be eligible for graduation, all CITA courses must be completed with a grade of C or higher, or must be accepted as transfer credits.
2. A maximum of three (3) CITA credits from courses numbered below CITA 150 can be counted towards graduation.
3. Online students can substitute CITA 175 and CITA 221 credits with two (2) lower-level program elective credits (CITA/CYBR/DATA). CITA 441 credits can be substituted with one (1) upper-level program elective credit. Alternatively, all three credits can be substituted with a 3-credit upper-level program elective course (CITA/CYBR/DATA).
4. The minimum qualifying math course is MATH 121, a GER 4 course. It can be substituted with a higher-level GER 4 math course.