INFORMATION TECHNOLOGY (IT) – 2045

Course		Credit	Term	Grade
	First Semester			
BSAD 100	Introduction to Business	3	_____	_____
CITA 152	Computer Logic	3	_____	_____
CITA 163	Survey of IT	3	_____	_____
ENGL 101	Composition & Spoken Word (GER 10)	3	_____	_____
MATH ___*	_____ (GER 1)	3	_____	_____
		15		
	Second Semester			
CITA 170	Computer Concepts & OS	3	_____	_____
CITA 171	OS Use & Administration	3	_____	_____
MATH 141	Statistics (GER 1)	3	_____	_____
_____	GER _____	3	_____	_____
_____	GER _____	3	_____	_____
		15		
	Third Semester			
CITA 180	Intro to Programming	4	_____	_____
CITA 215	Database Concepts & Apps	3	_____	_____
CITA 220	Data Com & Network Tech	3	_____	_____
CITA 221	Data Com & Network Tech Lab	1	_____	_____
ECON 101 OR ECON 103	Macroeconomics OR Microeconomics (GER 3)	3	_____	_____
_____	GER _____	3	_____	_____
				17
	Fourth Semester			
CITA 204	Systems Analysis & Design [WI]	3	_____	_____
CITA 250	Information Security	3	_____	_____
_____	GER _____	3	_____	_____
_____	GER _____	3	_____	_____
_____	GER _____	3	_____	_____
		15		
	Fifth Semester			
ACCT ___*	_____	4	_____	_____
BSAD 301	Principles of Management	3	_____	_____
CITA 300	MIS	3	_____	_____
CITA 310	Web Server Administration	3	_____	_____
SOET 361	Project Management	3	_____	_____
		16		
	Sixth Semester			
CITA 330	Emerging IT Applications	3	_____	_____
CITA 400	Quantitative Approaches to Management	3	_____	_____
SOET 370	Engineering Economics	3	_____	_____
_____	Program Elective _____	3	_____	_____
_____	Program Elective _____	3	_____	_____
_____	UD Program Elective _____	3	_____	_____
		18		
	Seventh Semester			
CITA 440	Network Management	3	_____	_____
CITA 441	Network Management Lab	1	_____	_____
_____	Program Elective _____	3	_____	_____
_____	UD Program Elective _____	3	_____	_____
_____	UD / LA _____	3	_____	_____
_____	General Elective _____	3	_____	_____
		16		

Eighth Semester

CITA 460	IT & Networked Economy	3	_____	_____
SOET 477	Capstone Project	3	_____	_____
CITA 480	IT Internship OR	6	_____	_____
	UD Program Elective	3	_____	_____
	UD Program Elective	3	_____	_____
		12		

CERTIFIED BY _____

GER: 1:✔_____ 2: _____ 3:✔_____ 4: _____ 5: _____

6: _____ 7: _____ 8: _____ 9: _____ 10:✔_____

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 all areas is: 1. Mathematics; 2. Natural Sciences; 3. Social Sciences; 4. American History; 5. Western Civilization; 6. Other World Civilizations; 7. Humanities; 8. The Arts; 9. Foreign Language; 10. Basic Communication

All CITA courses presented for graduation must have a grade of C (or better) or transfer credit.

No more than 3 CITA credits with a course number below CITA 150 may be used for credit towards graduation.

* Minimum mathematics requirement is MATH 121 College Algebra.

All graduates must have a minimum of 45 UD credits.

* ACCT 101 Financial Accounting or ACCT 104 Survey of Accounting recommended.

Program Electives are courses from within the Canino SOET and the Business Department. See next page for recommended program elective sequences.

IT (2045) Concentration Track Program Elective Sequences

Management Information Systems

CITA/MINS 307 CUSTOMER RELATIONSHIP MANAGEMENT
CITA/MINS 315 DECISION SUPPORT SYSTEMS
CITA/MINS 320 INTRODUCTION TO DATA MINING
CITA/MINS 425 ENTERPRISE RESOURCE PLANNING
CITA/MINS 430 DATA AND KNOWLEDGE MANAGEMENT

Information Security

CITA 202 COMPUTER USER SUPPORT CONCEPTS AND SKILLS
CITA 352 ETHICAL HACKING AND PENETRATION TESTING
CITA 360 CRYPTOGRAPHY THEORY AND PRACTICE
CITA/JUST 365 DIGITAL FORENSIC ANALYSIS
CITA 420 PROGRAMMING FOR THE WEB

Network Administration

CITA 202 COMPUTER USER SUPPORT CONCEPTS AND SKILLS
CITA 260 INTRODUCTION TO WIRELESS TECHNOLOGY
CITA 352 ETHICAL HACKING AND PENETRATION TESTING
CITA 420 PROGRAMMING FOR THE WEB
CITA/MINS 425 ENTERPRISE RESOURCE PLANNING

Web and Multimedia Development

CITA 202 COMPUTER USER SUPPORT CONCEPTS AND SKILLS
CITA 342 VISUAL PROGRAMMING AND DEVELOPMENT TOOLS
CITA 420 PROGRAMMING FOR THE WEB
GMMD 420 ANIMATION TECHNIQUES
GMMD 432 VIRTUAL WORLDS

Programming and Database

CITA/MINS 320 INTRODUCTION TO DATA MINING
CITA 342 VISUAL PROGRAMMING AND DEVELOPMENT TOOLS
CITA 385 COBOL FOR BUSINESS AND ACCOUNTING
CITA 420 PROGRAMMING FOR THE WEB
GMMD 432 VIRTUAL WORLD