

	Common Prerequisites				Core Courses															Experiential Learning					
			Object Oriented Programming Students choose one																		Students choose one				
Credit Hours	3	3	3		1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3				
Program SLOs	CGS 2570 Personal Computer Apps	COP 2830 Script Programming	COP 2334 C++ Programming	COP 2253 Programming Using Java	CGS 2920 Foundations in IT	ENC 3213 Professional and Technical Writing	MAN 3583 Project Management	COP 3826 User Interface Programming	CGS 3763 Operating System Concepts	CNT 3004 Introduction to Networks	CNT 3112 Switching, Routing and Wireless Essentials	CNT 4526 Wireless and Mobile Communication	CNT 4701 Enterprise Networking, Security, and Automation	CIS 4361 Information Technology Security	CET 4772 Cloud Computing	CTS 4348 Linux System Administration	CTS 4323 Server Administration	COP 4710 Database Systems	CAP 4723 Database Administration	CGS 4935 Senior Seminar in Information Technology	CIS 4947 Internship	CGS 4912 Undergraduate Research in Information Technology	CIS 3949 Cooperative Education	CIS 4911 IT Capstone Project	CTS 4950 Innovative Solutions for Industry (H4D)
<b>Content</b>																									
Use systemic approaches to select, develop, apply, integrate, and administer secure computing technologies to accomplish user goals.	I	I	I	I	I			R	I	I	R	R	R	R	R	R	R	R	R	R	M	M	M	M	M
<b>Critical Thinking</b>																									
Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.		I	I	I				R	R	I	R	R	R	R	R	R	R	R	R	R	M	M	M	M	M
Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.		I	I	I				R	R	I	R	R	R	R	R	R	R	R	R	R	M	M	M	M	M
<b>Communication</b>																									
Communicate effectively in a variety of professional contexts.					I	I	I		R				R		R		R	R	R	R	M	M	M	M	M
<b>Integrity / Values</b>																									
Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.		I	I	I	I		I	R	R	R	R	R	R	R	R	R	R	R	R	R	M	M	M	M	M
<b>Project Management</b>																									
Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.					I		I					R					R				M	M	M	M	M