

	Common Prerequisites				Core Courses																			
			Object Oriented Programming Students choose one																Experiential Learning Students choose one					
Credit Hours	3	3	3		1	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	COP 3826 User Interface Programming	CGS 3763 Operating System Concepts	CNT 3004 Introduction to Networks	CNT 3112 Switching, Routing and Wireless Essentials	CIS 4361 IT Security	CET 4772 Cloud Computing	CTS 4348 Linux System Administration	CTS 4323 Server Administration	COP 4710 Database Systems	CAP 4770 Data Mining	CTS 4457 Data Visualization	CTS 4910 Social Media Data Analytics	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)
Content																								
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	R	M	M	M	M	M
Critical Thinking																								
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	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	R	M	M	M	M	M
Communication																								
Communicate effectively in a variety of professional contexts.					I		R			R			R		R	R	R		R	M	M	M	M	M
Integrity / Values																								
Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.		I	I	I	I	R	R	R	R	R	R	R	R	R	R	R	R	R	R	M	M	M	M	M
Project Management																								
Function effectively as a member or leader of a team engaged in activities appropriate to the program’s discipline.					I					R			R			R				M	M	M	M	M