



Computer & Information Technology

Associate in Applied Science Degree

Information Security Track

FIRST YEAR COURSE SCHEDULE					
Fall Semester		Credits	Spring Semester		Credits
ENG 101-Writing I		3	CIT 111 Computer Hardware and Software		4
CIT 105-Intro to Computers		3	CIT 120 Computational Thinking		3
MAT 126*-Technical Algebra & Trigonometry (or higher)		3	CIT 170-Database Design Fundamentals		3
Heritage/Humanities Course		3	Natural Sciences Course		3
Social/Behavioral Sciences Course		3			
Total Credit Hours		15	Total Credit Hours		13

*If you plan to transfer to a four-year college/university, it is recommended that you take MAT150 – College Algebra.

SECOND YEAR COURSE SCHEDULE					
Fall Semester		Credits	Spring Semester		Credits
Level I Networking Course (CIT 160 or 161)		4	CIT 293-CIT Employability Studies		1
CIT 180-Security Fundamentals		3	Approved CIT Technical Elective****		3
CIT 182-Perimeter Defense		3	CIT 217-UNIX/Linux Administration		3
Approved Network Elective Course***		3	CIT 184-Attacks and Exploits		3
Approved Level 1 Programming Language		3	Approved Security Elective Course**		3
			Approved Network Elective Course***		3
Total Credit Hours		16	Total Credit Hours		16

Approved Level I Programming Electives	
CIT 140-JavaScript I	CIT 147-Programming Language
CIT 141-PHP I	CIT 148-Visual basic I
CIT 142-C++ I	CIT 149-Java I
CIT 145-Perl I	CIT 171-SQL I
Any other CIT or CS programming course approved by the students advisor or Program Coordinator	

Approved Security Elective Courses**	Network Elective Courses***
CIT 284-Computer Forensics	CIT networking course approved by advisor.
CIT 285-Windows OS Security	
CIT 286-UNIX/Linux OS Security	CIT Technical Elective****
CIT 287-Cisco OS Security	Any CIT course approved by advisor.
CIT 288-Network Security	

Curriculum within KCTCS is reviewed and updated to ensure quality and relevance. This curriculum plan should be used only as a guide for meeting the course requirements for each credential. See the KCTCS catalog for specifics and consult your advisor.