

Certificate

Information Security Specialist



Name	Empl. ID	Date Entered	Date Grad

REQUIRED COURSES	Credit	Res	Tr	NOTES
Approved Level I Networking Course (see list below)	4			
CIT 180 Security Fundamentals	3			Prereq: CIT 105 and CIT 160 or 161
CIT 182 Perimeter Defense	3			Prereq: CIT 180 or instructor consent
CIT 184 Attacks and Exploits	3			Prereq: CIT 180 or instructor consent
Approved Security/Network Elective Courses (see lists below)	6			
CERTIFICATE TOTAL	19			

LEVEL I NETWORKING COURSES	Credit	Res	Tr	Notes
CIT 160 Introduction to Networking Concepts	4			Prereq: MAT 61 Coreq: CIT 111 or instructor consent
CIT 161 Network Fundamentals	4			Prereq: MAT 61 Coreq: CIT 111 or instructor consent

APPROVED NETWORK ELECTIVE COURSES	Credit	Res	Tr	NOTES
CIT 167 Routing and Switching Essentials	4			Prereq: CIT 161 or instructor consent
CIT 209 Scaling Networks	4			Prereq: CIT 167 or instructor consent
CIT 212 Connecting & Scaling Networks	4			Prereq: CIT 167 or instructor consent
CIT 218 UNIX/Linux Network Infrastructure	3			Prereq: CIT 217
CIT 219 Internet Protocols	3			Prereq: CIT 160/161/ or CIT 162 or instructor consent
CIT 260 Network Hardware Installation and Troubleshooting	3			Prereq: CIT 160 or instructor consent
CIT 261 MS Active Directory Services	3			Prereq: CIT 111 and CIT 160/161 or instructor consent
CIT 262 MS Server Infrastructure	3			Prereq: CIT 111 and CIT 160/161 or instructor consent
CIT 263 Advanced Microsoft Topics	3			Prereq: CIT 213 or instructor consent
CIT 264 Microsoft Server Management	3			Prereq: CIT 262 or instructor consent
CIT 267 UNIX/Linux Network Services	3			CIT 218 or instructor consent
Other Microsoft networking courses approved by coordinator	3			

APPROVED SECURITY ELECTIVE COURSES	Credit	Res	Tr	NOTES
CIT 284 Computer Forensics	3			Prereq: CIT 180 or instructor consent
CIT 285 MS Windows OS Security	3			Prereq: CIT 180 and either CIT 214 or CIT 262 or instructor consent
CIT 286 UNIX/Linux OS Security	3			Prereq: CIT 180 and CIT 217 or instructor consent
CIT 287 Cisco OS Security	3			Prereq: CIT 167 or CIT 212 or instructor consent
CIT 288 Network Security	3			Prereq: CIT 180 and Level I Network Technologies Specialization Sequence or instructor consent

Students graduating with a degree or certificate in Computer and Information Technologies may only use a course with a grade of “C” or higher (or a “P” for Pass/Fail courses) to fulfill a core or track graduation requirement. Students may not use one course to fulfill multiple requirements.

The Computer and Information Technologies department does not accept non-general education courses older than five years from returning or transfer students without consent from the program coordinator.

Requirements taken from the 2019-2020 KCTCS Catalog