

Certificate



Network Technologies Specialist

Name	Empl. ID	Date Entered	Date Grad

REQUIRED COURSES	Credit	Res	Tr	Notes
CIT 219 Internet Protocols	3			Prereq: CIT 160/161/ or CIT 162 or instructor consent
CIT 288 Network Security	3			Prereq: CIT 180 and Level I Network Technologies Specialization Sequence or instructor consent
Courses from the Network Technologies Course Sequences – at least 8 hours from a single platform and at least 4 hours from a different platform (see below)	15			
CERTIFICATE TOTAL	21			

NETWORK TECHNOLOGIES COURSE SEQUENCES

Select 15 hours from the platform courses listed below. At least 8 hours must be from a single platform and at least 4 hours must be from a different platform.

Microsoft Platform	Credit	Res	Tr	Notes
CIT 213 MS Client/Server Configuration	3			Prereq: CIT 111 and either CIT 160, 161 or 162
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 264 Microsoft Server Management	3			Prereq: CIT 262 or instructor consent
CIT 285 MS Windows OS Security	3			Prereq: CIT 180 and either CIT 214 or CIT 262 or instructor consent
Other Microsoft networking courses as approved by the CIT Program Coordinator	3			

Cisco Platform	Credit	Res	Tr	Notes
CIT 167 Routing and Switching Essentials	4			Prereq: CIT 161
CIT 212 Connecting & Scaling Networks	4			Prereq: CIT 167 or instructor consent
CIT 287 Cisco OS Security	3			Prereq: CIT 167 or CIT 212 or instructor consent

UNIX/Linux Platform	Credit	Res	Tr	Notes
CIT 217 UNIX/Linux Administration	3			Prereq: CIT 111 and CIT 160/161 or instructor consent
CIT 218 UNIX/Linux Network Infrastructure	3			Prereq: CIT 217
CIT 255 Web Server Administration	3			Prereq:(CIT 150 or CIT 155 or CIT 157) and (CIT 214 or CIT 218 or CIT 262) and CIT 219 or Instructor consent
CIT 267 UNIX/Linux Network Services	3			CIT 218 or instructor consent
CIT 286 UNIX/Linux OS Security	3			Prereq: CIT 180 and CIT 217 or instructor consent

Data Center Platform	Credit	Res	Tr	Notes
CIT 201 Information Storage Management	3			Prereq: CIT 167 and CIT 214 or CIT 217 or CIT 262 or instructor consent
CIT 203 Introduction to Virtualization	3			Prereq: CIT 167 and CIT 214 or CIT 217 or CIT 262 or instructor consent
CIT 204 VMWare Optimize and Scale	3			Prereq: CIT 203 or instructor consent
CIT 205 Cloud Infrastructure and Services	3			Prereq: CIT 201 and CIT 203 or instructor consent
CIT 206 Amazon Web Services Practitioner	3			Prereq: CIT 170 and CIT 161 or CIT 160 or consent of the instructor.
CIT 207 Amazon Web Services Architecting	3			Prereq: CIT 206 and CIT 167 or instructor consent

Security Platform	Credit	Res	Tr	Notes
CIT 182 Perimeter Defense	3			Prereq: CIT 180 or instructor consent
CIT 184 Attacks and Exploits	3			Prereq: CIT 180 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.

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 local program coordinator.

Requirements taken from the 2019-2020 KCTCS Catalog