

**Associate in Applied Science
Computer and Information Technologies
Network Administration Track**



Name _____	Empl. ID# _____	Date Entered _____	Date Grad. _____
DEVELOPMENTAL COURSES AS NEEDED		Notes	
RDG 30 <i>OR</i> RDG 100			
ENC 91			
MAT 55			
MAT 65			
MAT 85			

GENERAL EDUCATION COURSES	Credit	Res	Tr	Notes
ENG 101 Writing I	3			
MAT 150 College Algebra	3			
Natural Science	3			
Social and Behavioral Science	3			
Heritage/Humanities	3			
GENERAL EDUCATION SUBTOTAL:	15			

TECHNICAL CORE COURSES	Credit	Res	Tr	Notes
CIT 105 Introduction to Computers	3			Recommended first semester
CIT 111 Computer Hardware and Software	4			Coreq: CIT 105 and MAT 65 Recommended first semester
CIT 120 Computational Thinking	3			Prereq: Digital lit and MAT 85 or 126
CIT 170 Database Design Fundamentals	3			Prereq: Digital lit and MAT 85 or 126
CIT 180 Security Fundamentals	3			Prereq: CIT 105 and CIT 160 or 161
CIT 160 Introduction to Networking Concepts <i>OR</i> CIT 161 Network Fundamentals	4 (4)			Prereq: MAT 85. Coreq: CIT 111 or consent of instructor
Level I Programming Course	3			Prereq: CIT 120
CIT 293 CIT Employability Studies	1			Prereq: sophomore standing in CIT
TECHNICAL CORE SUBTOTAL:	24			

NETWORK ADMINISTRATION TRACK COURSES	Credit	Res	Tr	Notes
Microsoft or Cisco Specialization Sequence (see below)	12			
Technical Electives	9-12			Any CIT courses not taken to fill other requirements
NETWORK ADMINISTRATION TRACK SUBTOTAL	20-24			
NETWORK ADMINISTRATION DEGREE TOTAL	64-68			

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.

MICROSOFT WINDOWS ADMINISTRATION SPECIALIZATION SEQUENCE	Credit	Res	Tr	Notes
CIT 213 MS Client/Server Configuration	3			Prereq: CIT 111 and either CIT 160, 161 or 162
CIT 214 Server Infrastructure Administration	3			Prereq: CIT 213
CIT 215 Microsoft Server Administration	3			Prereq: CIT 214 or instructor consent
CIT 216 Microsoft Server Advanced Services	3			Prereq: CIT 214 or instructor consent
MICROSOFT WINDOWS ADMINISTRATION SPECIALIZATION SUBTOTAL	12			

CISCO NETWORKING ASSOCIATE SPECIALIZATION SEQUENCE	Credit	Res	Tr	Notes
CIT 167 Routing and Switching Essentials OR CIT 210 Routing Protocols and Concepts	4 (4)			Prereq: CIT 161 Prereq: CIT 161
CIT 209 Scaling Networks OR CIT 211 LAN Switching and Wireless	4 (4)			Prereq: CIT 167 Prereq: CIT 161
CIT 212 Connecting Networks	4			Prereq: CIT 209
CISCO NETWORKING ASSOCIATE SPECIALIZATION SUBTOTAL	12			

LEVEL I PROGRAMMING COURSES	Credit	Res	Tr	Notes
CIT 140 Java Script I	3			Prereq: CIT 120 and either CIT 150 or 155
CIT 141 PHP I	3			Prereq: CIT 120
CIT 142 C++ I	3			Prereq: CIT 120
CIT 143 C# I	3			Prereq: CIT 120
CIT 144 Python I	3			Prereq: CIT 120
CIT 145 Perl I	3			Prereq: CIT 120
CIT 146 Swift I	3			Prereq: CIT 120
CIT 147 Programming I: Language	3			Prereq: CIT 120
CIT 148 Visual Basic I	3			Prereq: CIT 120
CIT 149 Java I	3			Prereq: CIT 120
CIT 171 SQL I	3			Prereq: CIT 120 and 170
University Level I programming language as approved by program coordinator	3-4			

For a list of KCTC general education classes in each category, go to https://kctcs.edu/degrees_training/catalog/2018-2019-KCTCS-Catalog.pdf pp. 76-80.
Or www.kctcs.edu> degrees & training> 2018-19 catalog> pp. 76-80.