



Computer & Information Technologies

Associate in Applied Science

Network Technologies Track (Multi-Platforms)

FIRST YEAR COURSE SCHEDULE					
Name	ID#		Semester		
✓	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 170 - Database Design Fund.	3
	MAT126 - Technical Algebra & Trigonometry (or higher*)	3		Level I Networking (CIT 160/CIT 161)	4
	Heritage/Humanities Course	3		CIT 120 - Computational Thinking	3
	Social/Behavioral Sciences Course	3		Natural Science Elective	3
	Total Credit Hours	15		Total Credit Hours	17

*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 Programming (See catalog)	3		CIT 288 - Network Security	3
	CIT 180 - Security Fundamentals	3		CIT 291 - CIT Capstone Course	3
	CIT 219 - Internet Protocols	3		Specialization Elective	3
	Specialization Elective	3(4)		Specialization Elective	3
	Specialization Elective	3(4)		Specialization Elective (not required w/Cisco)	3
	Total Credit Hours	15(17)		Total Credit Hours	15
				Program Credit Hours	62(64)

Cisco Platform Sequence			Microsoft Platform Sequence		
Course	Credits		Course	Credits	
CIT 167 - Switching and Routing Essent.	4		CIT 213 - Microsoft Client Configuration	3	
CIT 209 - Scaling Networks	4		CIT 261 - MS Active Directory Services	3	
CIT 212 - Connecting Networks	4		CIT 262 - MS Network Infrastructure	3	
CIT 287 - Cisco OS Security	3		CIT 264 - Microsoft Server Management	3	
			CIT 285 - MS Windows OS Security	3	
Total	15		Total	15	
UNIX/Linux Platform Sequence			Data Center Platform Sequence (choose 15 hours)		
Course	Credits		Course	Credits	
CIT 217 - UNIX/Linux Administration	3		CIT 201 - Information Storage Management	3	
CIT 218 - UNIX/Linux Net Infrastructure	3		CIT 203 - Introduction to Virtualization	3	
CIT 255 - Web Server Administration	3		CIT 204 - VM Ware Optimize and Scale	3	
CIT 267 - UNIX/Linux Network Services	3		CIT 205 - Cloud Infrastructure and Services	3	
CIT 286 - UNIX/Linux OS Security	3		CIT 206 - Amazon Web Serv. Practitioner	3	
			CIT 207 - Amazon Web Serv. Architecting	3	
Total	15		Total	15	

- o Students must earn a “C” or better in each CIT course to count towards a prerequisite or toward a degree or certificate.
- o See the ACTC Catalog for approved Level I Programming Languages
- o Students may substitute a Microsoft networking course approved by the program coordinator for CIT 285
- o Students may not use one course to fulfill multiple requirements.
- o All CIT graduates must take exit exam(s) as required by Ashland Community and Technical College/KCTCS.
- o Have a question? Contact Randolph.Cullum@kctcs.edu