

Computer and Information Technology (CIT)

KCTCS Certifications

Here is a list of nineteen KCTCS CIT Certifications that you can earn individually, without earning an AAS degree. However, many are already embedding into the five degree tracks we offer and you can earn them as you earn your degree.



COMPUTER TECHNICIAN – 1101013289			
CIT 105	Introduction to Computing	3.0	
CIT 111	Computer Hardware and Software	4.0	
CIT 180	Security Fundamentals	3.0	
	Approved Level I Networking Course	4.0	
	Term Completed:	14	

CIT FUNDAMENTALS – 1101013309			
CIT 105	Introduction to Computing	3.0	
CIT 111	Computer Hardware and Software	4.0	
CIT 120	Computational Thinking	3.0	
CIT 170	Database Design Fundamentals	3.0	
CIT 180	Security Fundamentals	3.0	
	Approved Level I Networking Course	4.0	
	Approved Level I Programming Language	3.0	
	Term Completed:	23	

PRODUCTIVITY SOFTWARE SPECIALIST – 1101013299			
CIT 105	Introduction to Computing	3.0	
CIT 130	Productivity Software	3.0	
CIT 234	Advanced Productivity Software	3.0	
CIT 236	Advanced Data Organization Software	3.0	
	Term Completed:	12	

COMPUTER TECH BASIC – 1101013319			
CIT 105	Introduction to Computing	3.0	
CIT 111	Computer Hardware and Software	4.0	
	Approved Level I Networking Course	4.0	
	Term Completed:	11	

COMPUTER SUPPORT TECHNICAL – 1101013329			
CIT 130	Productivity Software	3.0	
CIT 111	Computer Hardware and Software	4.0	
CIT 232	Help Desk Operations	3.0	
CIT 234	Advanced Productivity Software	3.0	
CIT 236	Advanced Data Organization Software	3.0	
	Term Completed:	16	

INFORMATION SECURITY SPECIALIST – 1101013339			
	Approved Level I Networking Course	4.0	
CIT 180	Security Fundamentals	3.0	
CIT 182	Premier Defense	3.0	
CIT 184	Attacks and Exploits	3.0	
	Approved Security/Network Admin. Elective	3.0	
	Approved Security/Network Admin. Elective	3.0	
	Term Completed:	19	

MICROSOFT NETWORK ADMINISTRATOR – 1101013349			
	Approved Level I Networking Course	4.0	
CIT 213	Microsoft Client Configuration	3.0	
CIT 214	Microsoft Server Configuration	3.0	
CIT 215	Microsoft Server Administration	3.0	
CIT 216	Microsoft Server Advanced Services	3.0	
	Approved CIT Technical Course	3.0	
	Term Completed:	19	

CISCO NETWORKING ASSOCIATE – 1101013359			
CIT 161	Introduction to Networks	4.0	
CIT 167	Routing & Switching Essentials	4.0	
CIT 209	Scaling Networks	4.0	
CIT 212	Connecting Networks	4.0	
	Term Completed:	16	

NETWORK TECHNOLOGIST SPECIALIST – 1101013369			
CIT 219	Internet Protocols	3.0	
CIT 288	Network Security	3.0	
NOTE:	Select 15 hours from the courses listed below. At least 8 hours Must be from a single platform and at least 4 hours must be From a different platform.	15.0	
MS Platform	CIT 213 Microsoft Client Configuration(3) CIT 214 Microsoft Server Configuration (3) CIT 215 Microsoft Server Administration (3) CIT 216 Microsoft Server Advanced Services (3)		
Unix Platform	CIT 217 UNIX/Linux Administration (3) CIT 218 UNIX/Linux Net Infrastructure (3) CIT 255 Web Server Administration (3)		
Cisco Platform	CIT 167 Routing & Switching Essentials (4) CIT 209 Scaling Networks (4) CIT 212 Connecting Networks (4)		
Data Center Platform	CIT 201 Information Storage Management (3) CIT 203 Introduction to Virtualization (3) CIT 204 VMWare Optimize and Scale (3) CIT 205 Cloud Infrastructure and Services (3)		
	Term Completed:	21	

CISCO NETWORKING ENHANCED – 1101013379			
CIT 161	Introduction to Networks	4.0	
CIT 167	Routing and Switching Essentials	4.0	
CIT 209	Scaling Networks	4.0	
CIT 212	Connecting Networks	4.0	
	Approved CIT Technical Courses	8-9	
	Term Completed:	24-25	

A+ Prep – 1101013529			
CIT 111	Computer Hardware and Software	4.0	
	Term Completed:	4	

Net + Prep – 1101013539			
CIT 160	Intro to Networking Concepts	4.0	
	Term Completed:	4	

SECURITY + Prep – 1101013549 (Updated)			
CIT 180	Security Fundamentals	3.0	
	Term Completed:	3	

MICROSOFT ENTERPRISE ADMINISTRATOR – 1101013419			
	Approved Level I Networking Course	4.0	
CIT 213	Microsoft Client Configuration	3.0	
CIT 214	Microsoft Server Configuration	3.0	
CIT 215	Microsoft Server Administration	3.0	
CIT 216	Microsoft Server Advanced Services	3.0	
	Additional Approved Microsoft Course	3.0	
	Approved CIT Technical Course	3.0	
	Term Completed:	22	

PROGRAMMING – 1101013429			
CIT 120	Computational Thinking	3.0	
	Approved Level I Programming Language	3.0	
	Approved Level II Programming Language	3.0	
	Approved Level I, II, or III Programming Language	3.0	
	Term Completed:	12	

WEB PROGRAMMING – 1101013439			
CIT 120	Computational Thinking	3.0	
CIT 150	Internet Technologies	3.0	
CIT 155	Web Page Development	3.0	
CIT 157	Web Site Design and Production	3.0	
CIT 171	SQL1	3.0	
CIT 253	Data-Driven Web Pages: Topic	3.0	
	Approved Level I Web Programming Language	3.0	
	Approved Level II Web Programming Language	3.0	
	Term Completed:	24	

WEB ADMINISTRATION – 1101013449			
CIT 120	Computational Thinking	3.0	
CIT 150	Internet Technologies	3.0	
CIT 155	Web Page Development	3.0	
CIT 157	Web Site Design and Production	3.0	
CIT 253	Data-Driven Web Pages: Topic	3.0	
CIT 219	Internet Protocols	3.0	
CIT 255	Web Server Administration	3.0	
CIT 213	Microsoft Client Configuration AND	3.0	
CIT 215	Microsoft Server Administration OR	3.0	
CIT 213	Microsoft Client Configuration AND	(3.0)	

CIT 216	Microsoft Server Advanced Services OR	(3.0)	
CIT 217	UNIX/Linux Administration AND	(3.0)	
CIT 218	UNIX/Linux Net Infrastructure	(3.0)	
	Term Completed:	27	

SOCIAL MEDIAL SPECIALIST – 1101013469			
CIT 105	Introduction to Computing	3.0	
CIT 155	Web Page Development	3.0	
CIT 151	Social Media I	3.0	
CIT 152	Social Media Tools and Technologies	3.0	
CIT 251	Social Media II	3.0	
BAS 160	Intro to Business	3.0	
BAS 282	Introduction to Marketing	3.0	
	Term Completed:	18-21	

DIGITAL FORENSICS - 1101013459			
CIT 105	Introduction to Computing	3.0	
CIT 111	Computer Hardware and Software	4.0	
CIT 160	Intro to Networking Concepts (OR CIT 161 (4))	4.0	
CRJ 204	Criminal Investigations	3.0	
CIT 180	Security Fundamentals	3.0	
CIT 284	Computer Forensics	3.0	
	Term Completed:	20	

PLEASE NOTE - For KCTCS CIT Certification or Degree embedded certificate seeking students only – AAS Degree tracks have additional requirements.

- Students graduating with a certificate in Computer & Information Technologies may only use a course with a grade of “C” or higher (or a “Pass” for Pass/Fail courses) to fulfill a core or track graduation requirement.
- Students may not use one course to fulfill multiple requirements.
- If you are interested, ACTC is a Pearson-Vue/Comp-TIA certified Testing center. This means you can earn an Industry certification like A+, Net+, Security+ as well. We offer discounts on testing vouchers for ACTC students.