

Computer and Information Technologies
Associate in Applied Science
General
Degree

Academic Plan Code 1101017089

Academic Subplan Code 110101720

Contact Information: Kate Senn				
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Student Name	Student ID#			
Course	Hours	Grade	Semester	
CIT 105 Introduction to Computers	3			
CIT 111 Computer Hardware and Software	4			
CIT 120 Computational Thinking	3			
CIT 170 Database Design Fundamentals	3			
CIT 180 Security Fundamentals	3			
Approved Level I Networking Course	4			
Approved Level I Programming Language Course	3			
CIT 293 CIT Employability Studies	1			
Technical Core Requirements Subtotal	24			
21-25 credit hours of CIT Technical Electives, at least 12 credit hours at the 200-level, or other courses approved by the Program Coordinator.				
Students MUST meet with the Program Coordinator or designee and complete a study plan PRIOR to beginning the General Track.				
Technical Elective	3			
Technical Elective	3			
Technical Elective	3			
Technical Elective	3			
Technical Elective	3			
Technical Elective	3			
Technical Elective	3			
Technical Elective	3-4			
Track Subtotal	21-25			
General Education				
ENG 101 Writing I	3			
MAT 126 Technical Algebra and Trigonometry (or higher)	3			
Social and Behavioral Sciences Course	3			
Heritage or Humanities Course	3			
Natural Sciences Course	3			
General Education Subtotal	15			
Total Credits	60-64			
				Revised Date: 1/22/2019

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KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM

WKCTC curriculum guides include courses offered at other KCTCS Colleges. Note: 25% of degree credit hours must be taken at WKCTC to meet a residency requirement. Please refer to the KCTCS catalog for a complete listing of courses.

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Course	Hours	Grade	Semester
Approved Level I Networking Courses			
CIT 160 Intro to Networking Concepts	4		
CIT 161 Introduction to Networks	4		
Approved Network Elective Courses*			
CIT 167 Routing & Switching Essentials	4		
CIT 209 Scaling Networks	4		
CIT 212 Connecting Networks	4		
CIT 218 UNIX/Linux Net Infrastructure	3		
CIT 219 Internet Protocols	3		
CIT 260 Network Hardware Installation and Troubleshooting	3		
CIT 261 MS Active Directory Services	3		
CIT 262 MS Server Infrastructure	3		
CIT 263 Advanced topics in Microsoft Windows: (Topic)	3		
CIT 264 Microsoft Server Management	3		
Computer Support			
CIT 232 Help Desk Operations	3		
Software Support*			
CIT 150 Internet Technologies OR	3		
CIT 155 Web Page Development OR	(3)		
CIT 157 Web Site Design and Production	(3)		
CIT 253 Data Driven Web Pages: Topic	3		
Approved Security Elective Courses*			
CIT 284 Computer Forensics	3		
CIT 285 MS Windows OS Security	3		
CIT 286 UNIX/Linux OS Security	3		
CIT 287 Cisco OS Security	3		
CIT 288 Network Security	3		

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Approved Level I, II, and III Programming Languages			
Student may choose from any of the available Level I, II, or III Programming Languages but must meet course prerequisites.			
Approved Level I Programming Language Courses			
CIT 140 JavaScript I	3		
CIT 141 PHP I	3		
CIT 142 C++ I	3		
CIT 143 C# I	3		
CIT 144 Python I	3		
CIT 145 Perl I	3		
CIT 146 Swift I	3		
CIT 147 Programming I: Language	3		
CIT 148 Visual Basic I	3		
CIT 149 Java I	3		
CIT 171 SQL I	3		
University Level I Programming Languages as approved by Program Coordinator	3-4		
Approved Level II Programming Language Courses			
CIT 237 iOS Programming	3		
CIT 238 Android Programming	3		
CIT 241 PHP II	3		
CIT 242 C++ II	3		
CIT 243 C# II	3		
CIT 244 Python II	3		
CIT 247 Programming II: Language	3		
CIT 248 Visual Basic II	3		
CIT 249 Java II	3		
CIT 271 SQL II	3		
University Level II Programming Languages as approved by Program Coordinator	3-4		
Approved Level III Programming Language Courses			
CIT 277 Programming III: Language	3		
CIT 278 Visual Basic III	3		
University Level III Programming Languages as approved by Program Coordinator	3-4		
Approved Social Media Courses*			
CIT 151 Social Media I	3		
CIT 152 Social Media Tools and Technologies	3		
CIT 251 Social Media II	3		
*Or other courses approved by Computer & Information Technologies Program Coordinator			

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