

**Computer and Information Technologies**  
**Associate in Applied Science**  
**Cloud Computing Technologies Track**  
**Degree**

**Academic Plan Code** 1101017089

**Academic Subplan Code** 110101716

<b>Contact Information:</b> Robin Walker				
270-534-3121				
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		
<b>Technical Core Requirements Subtotal</b>		<b>24</b>		
Completion of a Cloud Computing Technologies Track Course Sequence in: Amazon Web Services OR Data Center Technologies		12-13		
CIT 201 Information Storage Management		3		
CIT 217 UNIX/Linux Administration		3		
CIT 262 MS Server Infrastructure		3		
<b>Track Subtotal</b>		<b>21-22</b>		
<b>General Education</b>				
ENG 101 Writing I		3		
Approved Quantitative Reasoning Course		3-5		
Social and Behavioral Sciences Course		3		
Heritage or Humanities Course		3		
Natural Sciences Course		3		
<b>General Education Subtotal</b>		<b>15-17</b>		
<b>Total Credits</b>		<b>61-63</b>		
				Revised Date: 5/13/2020

*WKCTC is an equal opportunity employer and educational institution.*

**KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM**

All required courses are offered by WKCTC or a partner KCTCS college. 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
<b>Approved Level I Networking Courses</b>			
CIT 160 Intro to Networking Concepts	4		
CIT 161 Introduction to Networks	4		
<b>Approved Level I Programming Language Courses</b>			
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		
<b>Approved Quantitative Reasoning Courses</b>			
MAT 126 Technical Algebra and Trigonometry OR	3		
MAT 146 Contemporary College Mathematics OR	(3)		
MAT 150 College Algebra OR	(3)		
MAT 155 Trigonometry OR	(3)		
MAT 160 Precalculus OR	(3)		
MAT 161 Statistics and Algebra OR	(3)		
MAT 165 Finite Mathematics and its Applications OR	(3)		
MAT 170 Brief Calculus with Applications OR	(3)		
MAT 171 Precalculus OR	(5)		
MAT 174 Calculus I OR	(5)		
MAT 175 Calculus II	(5)		

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Course	Hours	Grade	Semester
<b>Cloud Computing Technologies Track Sequences</b>			
<b>Amazon Web Services</b>			
CIT 206 Amazon Web Services Practitioner	3		
CIT 207 Amazon Web Services Architecting	3		
CIT 167 Switching & Routing Essentials	4		
Approved CIT Elective	3		
<b>Sequence Subtotal</b>	<b>13</b>		
<b>Data Center Technologies</b>			
CIT 203 Introduction to Virtualization	3		
CIT 204 VMware Optimize and Scale	3		
CIT 205 Cloud Infrastructure and Services	3		
Approved CIT Network Elective Course	3		
<b>Sequence Subtotal</b>	<b>14</b>		
<b>Approved Network Elective Courses*</b>			
CIT 167 Switching & Routing Essentials	4		
CIT 209 Scaling Networks	4		
CIT 212 Connecting & Scaling 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		
CIT 267 UNIX/Linux Network Services	3		

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Semester 1 (Schedule To Be Completed by Student and Advisor)		
Course No.	Course Title	Credit Hours
Subtotal		
Semester 2 (Schedule To Be Completed by Student and Advisor)		
Course No.	Course Title	Credit Hours
Subtotal		
Program Coordinator Notes:		



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Semester 3 (Schedule To Be Completed by Student and Advisor)		
Course No.	Course Title	Credit Hours
Subtotal		
Semester 4 (Schedule To Be Completed by Student and Advisor)		
Course No.	Course Title	Credit Hours
Subtotal		
Program Coordinator Notes:		

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Semester 5 (Schedule To Be Completed by Student and Advisor)		
Course No.	Course Title	Credit Hours
Subtotal		
Semester 6 (Schedule To Be Completed by Student and Advisor)		
Course No.	Course Title	Credit Hours
Subtotal		
Program Coordinator Notes:		