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**Computer & Information Technologies: Networking CISCO (1101017089)**

**Credential (AAS)**

**Program Coordinator: Don Halcomb E-mail: don.halcomb@kctcs.edu Phone: 859-246-6289**

 **Mike Hardin E-mail: mike.hardin@kctcs.edu Phone: 859-246-6619**

**Program Website:** [**https://bluegrass.kctcs.edu/education-training/program-finder/computer-information-technology.aspx**](https://bluegrass.kctcs.edu/education-training/program-finder/computer-information-technology.aspx)

**Student Name: Student ID:**

***Students need to be at KCTCS placement levels for all courses***

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| **Pre-Admission Requirements (if applicable)** |
| **First Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| MAT 85 | 3 |  |  | MAT 065 or MAT 075 orKCTCS placement examination |

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| **First Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CIT 105 - Introduction to Computers | 3 |  |  | RDG 20 or Consent of instructor |
| CIT 160 - Introduction to Networking Concepts OR CIT 161 - Introduction to Networks(CIT 161 is r*ecommended for the Network Technologies Track)*  | 4 |  |  | Pre-requisite: MT 065 ORConsent of InstructorCo-requisite: CIT 111 ORConsent of Instructor |
| ENG 101 - Writing I | 3 |  |  |  |
| CIT 120 - Computational Thinking | 3 |  |  | Co-requisite: MAT 085 orMAT 126 or higher ORConsent of Instructor |
| **Total Semester Credit Hours** | **16** |  |  |  |

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| **Second Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CIT 111 - Computer Hardware and Software  | 4 |  |  | CIT 105 AND MAT 065 ORConsent of Instructor |
| MAT 150 - College Algebra is *strongly* recommended *(MAT 126 - Algebra and Trigonometry or higher is required)*  | 3 |  |  |  |
| CIT 167 - Routing and Switching Essentials | 4 |  |  | CIT 161 or Consent of Instructor |
| CIT 170 - Database Design Fundamentals | 3 |  |  | CIT 105 OR OST 105 OR IMD 100 ANDMAT 085 OR MAT 126 OR Consent of Instructor |
| Heritage or Humanities Course | 3 |  |  |  |
| **Total Semester Credit Hours** | **17** |  |  |  |

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| **Third Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CIT 180 - Security Fundamentals | 3 |  |  | (CIT 160 OR CIT 161) ORConsent of Instructor |
| CIT 209 - Scaling Networks | 4 |  |  | CIT 167 or Consent of instructor |
| CIT 213 - Microsoft Client Configuration | 3 |  |  | CIT 111 AND CIT 160 OR CIT161 ORConsent of Instructor. |
| CIT 214 - Microsoft Server Configuration | 3 |  |  | CIT 111 AND CIT 160 OR CIT 161 ORConsent of Instructor |
| Approved Level I Programming Language | 3 |  |  | CIT 120 or Consent of Instructor |
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| **Total Semester Credit Hours** | **16** |  |  |  |

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| **Fourth Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CIT 288 - Network Security  | 3 |  |  | CIT 180 AND Level 1 Network Technologies Specialization Sequence ORConsent of Instructor. |
| CIT 212 - Connecting Networks | 4 |  |  | CIT 209 OR Consent of Instructor |
| Natural Science Course | 3 |  |  |  |
| Social and Behavioral Sciences Course | 3 |  |  |  |
| CIT 293 - CIT Employability Studies  | 1 |  |  |  |
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| **Total Semester Credit Hours** | **14** |  |  |  |

***Note: 25% of Total Program Credit Hours must be earned at Bluegrass Community and Technical College.***

**Advisor Name: Advisor Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Student Name: Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Special Instructions:** |
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