[Computer and Information Technologies – Information Security Specialist](https://bluegrass.kctcs.edu/education-training/program-finder/computer-information-technology.aspx)

Certificate

Coordinator: Robert Chirwa (robert.chirwa@kctcs.edu) 859-246-6298

Student Name: Student ID:

*Students must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.*

Semester 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| CIT 160 Intro to Networking Concepts ORCIT 161 Introduction to Networks  | 4 |  |  |  |  |
| Total Semester Credit Hours | 4 |  |  |  |  |

Semester 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| CIT 180 Security Fundamentals | 3 |  |  | CIT 160 or CIT 161 |  |
| Security or Network Elective Courses | 3 |  |  |  |  |
| Total Semester Credit Hours | 6 |  |  |  |  |

Semester 3

|  |  |  |  |  |  |
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| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| CIT 182 Perimeter Defense | 3 |  |  | CIT 180 |  |
| CIT 184 Attacks and Exploits | 3 |  |  | CIT 180 |  |
| Security or Network Elective Courses | 3 |  |  |  |  |
| Total Semester Credit Hours | 9 |  |  |  |  |
| Total Certificate Credit Hours | 19 |  |  |  |  |

**Graduation Requirements:**

* 25% or more of Total Certificate Credit Hours must be earned at BCTC.
* Cumulative GPA must be 2.0 or higher.

Advisor Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Advisor Contact \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Approved Network Elective Courses**

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| --- | --- | --- |
| **Course** | **Cr. Hrs.** | **Prerequisites** |
| CIT 167 Routing & Switching Essentials | 4 | CIT 161 or Consent of Instructor |
| CIT 212 Connecting Networks | 4 | CIT 167 or Consent of Instructor |
| CIT 218 UNIX / Linus Net Infrastructure | 3 | CIT 217 or Consent of Instructor |
| CIT 219 Internet Protocols  | 3 | CIT 160 or CIT 161 or CIT 162 or Consent of Instructor |
| CIT 260 Network Hardware Installation and Troubleshooting | 3 | CIT 111 and CIT 161 + CIT 162 or Consent of Instructor |
| CIT 262 MS Network Infrastructure | 3 | CIT 111 and CIT 160 + CIT 161 or Consent of Instructor |
| CIT 263 Adv Topics in Microsoft Windows: (Topic) | 1 – 6  | CIT 213 or Consent of Instructor |
| CIT 265 MS Application Servers | 3 | CIT 213 or Consent of Instructor |
| Other Microsoft networking courses as approved by the CIT Program Coordinator |  |  |

**Approved Security Elective Courses**

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| **Course** | **Cr. Hrs.** | **Prerequisites** |
| CIT 284 Computer Forensics | 3 | CIT 180 or Consent of Instructor |
| CIT 285 MS Windows OS Security | 3 | CIT 180 and (CIT 214 or CIT 262) or Consent of Instructor |
| CIT 286 UNIX / Linux OS security | 3 | CIT 180 and CIT 217 or Consent of Instructor |
| CIT 287 Cisco OS Security | 3 | CIT 167 or CIT 212 or Consent of Instructor |
| CIT 288 Network Security | 3 | CIT 180 and Level I Networking Specialization Sequence or Consent of Instructor |

*Reviewed by: Robert Chirwa Effective Term: Fall 2021*

 *Review Date: 03-10-2021*