****

**Computer and Information Technologies – Network Technologies Specialist**

**Certificate**

**Program Coordinator: Robert Chirwa E-mail:** [**robert.chirwa@kctcs.edu**](mailto:robert.chirwa@kctcs.edu) **Phone: 859-246-6298**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **First Semester** | **Credit**  **Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| CIT 219 Internet Protocols | 3 |  |  | Consent of Instructor |  |
| CIT 288 Network Security | 3 |  |  | Consent of Instructor |  |
| **Total Semester Credit Hours** | **6** |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Second Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| Platform Course 1 | 3 – 4 |  |  | See list below. | Students must select at least 15 hours of Platform courses. At least 8 hours must be from the primary platform and at least 4 credit hours must be from the secondary platform. |
| Platform Course 2 | 3 – 4 |  |  |
| Platform Course 3 | 3 |  |  |
| **Total Semester Credit Hours** | **9 – 11** |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Third Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| Platform Course 4 | 3 – 4 |  |  | See list below. |  |
| Platform Course 5 | 3 |  |  |  |
| **Total Semester Credit Hours** | **6 – 7** |  |  |  |  |
| **Total Certificate Credit Hours** | **21** |  |  |  |  |

|  |
| --- |
| * **25% or more of Total Certificate Credit Hours must be earned at BCTC** * **Grade of C or higher in each course required for the certificate** |

**Graduation Requirements:**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **PLATFORM COURSES** | | | |
| **Microsoft** | **Cr. Hr.** | **Prerequisites** | **Notes** |
| CIT 213 Microsoft Client Configuration | 3 | CIT 111 and CIT 160 or 161 | Fall only |
| CIT 214 Microsoft Server Configuration | 3 | CIT 111 and CIT 160 or 161 | Fall only (approved by CIT Coordinator) |
| CIT 215 Microsoft Server Administration | 3 | CIT 214 | Spring only (approved by CIT Coordinator) |
| CIT 216 Microsoft Server Advanced Services | 3 | CIT 214 | Spring only (approved by CIT Coordinator) |
| CIT 261 MS Active Directory Services | 3 |  | Fall only |
| CIT 262 MS Server Infrastructure | 3 | CIT 111 and CIT 160 or 161 | Fall only |
| CIT 264 Microsoft Server Management | 3 |  | Spring only |
| **UNIX/Linux** | **Cr. Hr.** | **Prerequisites** | **Notes** |
| CIT 217 UNIX/Linux Administration | 3 | CIT 111 and CIT 160 or 161 | Spring only (1st 8 week course) |
| CIT 218 UNIX/Linux Net Infrastructure | 3 | CIT 217 | Spring only (2nd 8 week course) |
| CIT 255 Web Server Administration | 3 | CIT 218 and 219 | Spring only (online) |
| **Cisco** | **Cr. Hr.** | **Prerequisites** | **Notes** |
| CIT 167 Routing & Switching Essentials | 4 | CIT 161 | Spring/Summer only |
| CIT 209 Scaling Networks | 4 | CIT 167 | Fall only |
| CIT 212 Connecting Networks | 4 | CIT 209 | Spring only |
| **Data Center** | **Cr. Hr.** | **Prerequisites** | **Notes** |
| CIT 201 Information Storage Management | 3 | CIT 167 and CIT 214 or 217 |  |
| CIT 203 Introduction to Virtualization | 3 | CIT 167 and CIT 214 or 217 |  |
| CIT 204 VMWare Optimize and Scale | 3 | CIT 203 |  |
| CIT 205 Cloud Infrastructure and Services | 3 | CIT 201 and 203 |  |