****

**Computer & Information Technologies – Datacenter Track (110101716)**

 **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***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **First Semester (Summer)** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CIT 105 – Introduction to Computers  | 3 |  |  |  |
| **Total Summer Credit Hours** | **3** |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **First Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CIT 120 – Computational Thinking | 3 |  |  | Should be taken first semester |
| CIT 111 – Hardware and Software | 4 |  |  | Should be taken first semester |
| CIT 161 – Networking Fundamentals | 4 |  |  | Should be taken first semester |
| MAT 150 – College Algebra | 3 |  |  |  |
| **Total Semester Credit Hours** | **14** |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Second Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| Approved LV I programming language | 3 |  |  |  |
| CIT 180 – Security Fundamentals | 3 |  |  |  |
| CIT 170 – Database Design Fundamentals | 3 |  |  |  |
| CIT 167 – Routing and Switching Essentials | 4 |  |  |  |
|  |  |  |  |  |
| **Total Semester Credit Hours** | **13** |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Second Semester (Summer)** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CIT 201 – Information Storage Management | 3 |  |  |  |
| CIT 203 – Introduction to Virtualization | 3 |  |  |  |
| **Total Summer Credit Hours** | **6** |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Third Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CIT 204 – VMWare Optimize and Scale | 3 |  |  |  |
| CIT 205 – Cloud Infrastructure and Services | 3 |  |  |  |
| CIT 214 – Microsoft Server Configuration | 3 |  |  |  |
|  |  |  |  |  |
| Natural Science | 3 |  |  |  |
| **Total Semester Credit Hours** | **12** |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fourth Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| ENG 101 – Writing I | 3 |  |  |  |
| CIT 217 – UNIX/Linux Administration | 3 |  |  |  |
| CIT 293 – CIT Employability Skills | 1 |  |  |  |
| Heritage/Humanities  | 3 |  |  |  |
| Social/Behavioral  | 3 |  |  |  |
| **Total Semester Credit Hours** | **13** |  |  |  |

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

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

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

|  |
| --- |
| **Course Rotation Schedule (if applicable)** |
| Fall | CIT 214 only taught during Fall semesters |
| Spring | CIT 167 only taught during Spring semester (see below) |
| Summer | CIT 201, 203, 167 only taught during Summer semester |

|  |
| --- |
| **Special Instructions:** |
| CIT may be taken in the first fall semester. Summer CIT 201 and 203 may be taken during Fall or spring before taking CIT 204 and 205 (if applicable).  |