****

**Computer & Information Technologies – CIT Fundamentals**

**(1101013309) Credential (Certificate)**

**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***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pre-Admission Requirements** | | | | |
| **First Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CIT 105 – Introduction to Computing | 3 |  |  |  |
| **Total Semester Credit Hours** |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **First Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CIT 111 – Computer Hardware and Software | 4 |  |  |  |
| CIT 120 – Computational Thinking | 3 |  |  |  |
| CIT 160 – Intro to Networking Concepts **OR** | 4 |  |  |  |
| *CIT 161 – Introduction to Networks* | *(4)* |  |  |  |
| **Total Semester Credit Hours** | **9** |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Second Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CIT 170 – Database Design Fundamentals | 3 |  |  |  |
| CIT 180 – Security Fundamentals | 3 |  |  |  |
| Level I Programming Language | 3 |  |  | See list below |
| **Total Semester Credit Hours** | **3** |  |  |  |
| **Total Credential Hours** | **12** |  |  |  |

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

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

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

|  |
| --- |
| **Special Instructions:** |
|  |

|  |  |
| --- | --- |
| **Approved Electives (if applicable)** | |
| **Level I Programming Language Courses: See list below** | |
| INF 120 | Elementary Programming (3) |
| 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) |
| CS 115 | Intro to Computer Programming (3) |