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**Computer and Information Technologies – Informatics Programming**

**Certificate**

**Program Coordinator: Robert Chirwa E-mail:** **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.***

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| **First Semester** | **Credit****Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| CIT 120 Computational Thinking | 3 |  |  | Coreq: MAT 126 or higher |  |
| CIT 170 Database Design Fundamentals | 3 |  |  | CIT 105 and (MAT 126 or MAT 085 or higher) |  |
| **Total Semester Credit Hours** | **6** |  |  |  |  |

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| **Second Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| Informatics Programming Language I | 3 |  |  |  | See list below. |
| **Total Semester Credit Hours** | **3**  |  |  |  |  |

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| **Third Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| Informatics Programming Language II | 3 – 4  |  |  |  | Second course in Pair |
| **Total Semester Credit Hours** | **3 – 4**  |  |  |  |  |
| **Total Certificate Credit Hours** | **12 – 13**  |  |  |  |  |

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| * **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**
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**Graduation Requirements:**

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

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| **Informatics Programming Language Pairs** |
| **Informatics Programming Language I** | **Informatics Programming Language II** |
| CIT 142 C++ I | CIT 242 C++ II |
| CIT 143 C# I | CIT 243 C# II |
| CIT 148 Visual Basic I | CIT 248 Visual Basic II |
| CIT 149 Java I | CIT 249 Java II |
| CS 115 Intro to Computer Programming | CS 215 Intro Program Design, Instruction, and Problem Solving |
| INF 120 Elementary Programming | INF 260 Object Oriented Programming I |