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

Certificate

Coordinator: Robert Chirwa ([robert.chirwa@kctcs.edu](mailto: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 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 |  |  |  |  |

Semester 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| Informatics Programming Language I | 3 |  |  |  | See list |
| Total Semester Credit Hours | 3 |  |  |  |  |

Semester 3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | 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 |  |  |  |  |

**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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Additional Information**

Students can demonstrate Digital Literacy by exam or certification rather than complete CIT 105.

**Informatics Programming Language Pairs**

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

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

*Review Date: 03-10-2021*