

# INFORMATICS PROGRAMMING - CERTIFICATE

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**Offered at:** Bluegrass Community and Technical College, Gateway Community and Technical College, Hazard Community and Technical College, Jefferson Community and Technical College, Somerset Community College

**Program Plan Number:** 1101013489

**May be available completely online. Please check with your academic advisor.**

Course	Title	Credits
CIT 120	Computational Thinking	3
CIT 170 or INF 282U	Database Design Fundamentals	3

Select one of the following six Informatics Programming Language Pairs: 6-7

INF 120U & INF 260U	Elementary Programming and Object Oriented Programming I
CIT 149 & CIT 249	Java I and Java II
CIT 142 & CIT 242	C++ I and C++ II
CS 115U & CS 215U	Introduction to Computer Programming and Introduction to Program Design, Abstraction, and Problem Solving
CIT 148 & CIT 248	Visual Basic I and Visual Basic II
CIT 143 & CIT 243	C# I and C# II

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**Total Credits** **12-13**