Kentucky CTE

Computer Science: JAVA Programming I

Design, develop, compile, debug, test, run, and document programs in the Java language using a software development kit. CIT 149.1	**1 Design, develop, compile, debug, test, run, and document programs in the Java language using a software development kit.** CIT 149.1
Design and develop programs using operators and assignments. CIT 149.2	**2 Design and develop programs using operators and assignments.** CIT 149.2
Design and develop programs using primitive data types. CIT 149.3	**3 Design and develop programs using primitive data types.** CIT 149.3
Design and develop programs using sequence, selection, and repetition structures. CIT 149.4	**4 Design and develop programs using sequence, selection, and repetition structures.** CIT 149.4
Design and develop programs using single and multi-dimensional arrays. CIT 149.5	**5 Design and develop programs using single and multi-dimensional arrays.** CIT 149.5
Design and develop programs using effective error and exception handling. CIT 149.6	**6 Design and develop programs using effective error and exception handling.** CIT 149.6
De pr ori Skip to main content	**esign and develop programs using object-oriented programming features, ncluding defining classes, instantiating objects, and using arrays of objects.** CIT _49.7

features, including defining classes, instantiating objects, and using arrays of objects. CIT 149.7	
Design and develop programs implementing user-defined methods and modular programming. CIT 149.8	**8** **Design and develop programs implementing user-defined methods and modular programming.** CIT 149.8
Design and develop programs using method overloading. CIT 149.9	**9** **Design and develop programs using method overloading.** CIT 149.9
Design and develop programs using inheritance, encapsulation, and polymorphism. CIT 149.10	**10** **Design and develop programs using inheritance, encapsulation, and polymorphism.** CIT 149.10
Design and develop GUI interfaces for Java applications. CIT 149.11	**11** **Design and develop GUI interfaces for Java applications.** CIT 149.11
Evaluate and critique effectiveness and efficiency of code. CIT 149.12	**12** **Evaluate and critique effectiveness and efficiency of code.** CIT 149.12