Exam Format

Section I

Multiple Choice — 40 Questions | 1 Hour, 30 Minutes | 50% of Exam Score

Question topics will include:

- Programming Fundamentals
- Data Structures
- Logic
- Algorithms/Problem Solving
- Object-Oriented Programming
- Recursion
- Software Engineering

Classification Category	Percentage of Multiple-Choice Items
Programming Fundamentals	55-75%
Data Structures	20-40%
Logic	5-15%
Algorithms/Problem Solving	24-45%
Object-Oriented Programming	15-25%
Recursion	5-15%
Software Engineering	2-10%

Section II

Free Response — 4 Questions | 1 Hour, 30 Minutes | 50% of Exam Score

The free-response section tests your students' ability to solve problems involving more extended reasoning.

Question 1: Methods and Control Structures, where students call methods and work with control structures without the added complexity of data structures.
Question 2: Class, where students design and implement a described class.
Question 3: Array/ArrayList, where students complete program code that uses array or ArrayList objects.
Question 4: 2-D Array, where students complete program code that uses 2-D arrays.