

Computer Science: CIT 120: Computational Thinking

Demonstrate an understanding of elementary logic, truth tables, and Boolean Algebra. CIT120.1

a Create a truth table based on Boolean Algebra CIT120.1A

Illustrate the flow of a program. CIT120.2

a Explain the implications of file processing. CIT120.2A

Describe the steps addressed in the design of a program to solve the stated problem. CIT120.3

3 Describe the steps addressed in the design of a program to solve the stated problem. CIT120.3

Describe the principles of object-oriented programming. CIT120.5

4 Describe the principles of object-oriented programming. CIT120.5

Analyze the binary representation of data. CIT120.6

5 Analyze the binary representation of data. CIT120.6

Develop algorithms with increasing degree of complexity using structured programming techniques such as: sequence, selection, and repetition. CIT120.6

6 Develop algorithms with increasing degree of complexity using structured programming techniques such as: sequence, selection, and repetition. CIT120.6

Use fundamental data types and data structures CIT120.7

a Be able to use: integers, reals, characters, strings, Booleans, one- and two-dimensional arrays.

Demonstrate programming style best practices. CIT120.8

8 Demonstrate programming style best practices. CIT120.8

Illustrate concepts using one or more programming language(s). CIT120.9

a Use modular programming. CIT120.9A