

# Computer Programming I (2020)

Identify and use a programming environment. CP 1

- 1 Demonstrate knowledge of software concepts. CP 1.1
- 2 Demonstrate the ability to compile, debug, and execute programs. CP 1.2

Employ standard conventions for creation and design of a software program. CP 2

- 1 Demonstrate the ability to use a standard programming style. CP 2.1
- 2 Recognize software development processes. CP 2.2
- 3 Identify the syntactical components of a program. CP 2.3

Properly use language-fundamental commands and operations. CP 3

- 1 Demonstrate the ability to use basic elements of a specific language. CP 3.1
- 2 Employ basic arithmetic expressions in programs. CP 3.2
- 3 Demonstrate the ability to use data types in programs. CP 3.3
- 4 Incorporate functions/methods. CP 3.4

Apply control structures. CP 4

- 1 Demonstrate the ability to use relational and logical operators in programs. CP 4.1
- 2 Investigate conditional statements. CP 4.2
- 3 Implement loops in programs. CP 4.3

Explore career opportunities in programming. CP 5

- 1 Identify personal interests and abilities related to Computer Programming/Software Engineering careers. CP 5.1
- 2 Investigate career opportunities, trends, and requirements related to computer programming/software engineering careers. CP 5.2
- 3 Demonstrate job skills for programming industries. CP 5.3