

1. Basic Python Programming

- Use literal values and variables of types int, float, string and boolean
- Predict and implement expressions using arithmetic operators
- Use assignment and compound assignment operators
- Build complex Boolean expressions using and, or, and not
- Use selection statements if, elif, and else
- Use for and while loops
- Use built-in functions including len, min, max, and sum
- Use functions and methods in standard libraries including math and random.
- Write your own functions using zero or more parameters
- Utilize reading and writing of text files

2. Data Structures - choose and use the appropriate data structure from:

- list
- 2d list
- dictionary

3. Object-Oriented Programming

- Construct objects and call methods from existing classes

4. Software Engineering

- Use good code style
- Test and debug code
- Participate in the development process
- Write project documentation