# CPTR1001 - Introduction To Programming and Scripting

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| Credits: | 3 (1/2/0) |
| Description: | This course is an introduction to computer programming. Emphasis will be on programming concepts, program design methodology, program debugging, problem solving and writing clear code. |
| Prerequisites: | |
| Corequisites: | |
| Pre/Corequisites*: | |
| Competencies: | 1. Describe the features and syntax of a programming language.<br>2. Understand how software can be written to solve business problems.<br>3. Use debugging and testing to create error-free code.<br>4. Demonstrate industry standard code development techniques.<br>5. Develop logic structures.<br>6. Develop loop structures.<br>7. Develop control structures.<br>8. Understand data types.<br>9. Understand functions.<br>10. Create, update, and process data files.<br>11. Understand techniques required for security in computer programming. |
| MnTC goal areas: | None |

**Can be taking as a Prerequisite or Corequisite.*

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