

## CPTR1001 - Introduction To Programming and Scripting

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:	<ol style="list-style-type: none"> <li>1. Describe the features and syntax of a programming language.</li> <li>2. Understand how software can be written to solve business problems.</li> <li>3. Use debugging and testing to create error-free code.</li> <li>4. Demonstrate industry standard code development techniques.</li> <li>5. Develop logic structures.</li> <li>6. Develop loop structures.</li> <li>7. Develop control structures.</li> <li>8. Understand data types.</li> <li>9. Understand functions.</li> <li>10. Create, update, and process data files.</li> <li>11. Understand techniques required for security in computer programming.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.