

## 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 taken as a Prerequisite or Corequisite.