

## CSCI1121 - Computer Science I

Credits:	4 (4/0/0)
Description:	This course is an introduction to computer science. It includes algorithm design and structured programming using a high-level programming language. Key components of this course are designing, coding, debugging and documenting programs using techniques of good programming style. This course is intended primarily as a first course for computer science majors and/or minors.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"><li>1. Design algorithms to solve problems.</li><li>2. Understand the syntax of a high-level programming language.</li><li>3. Produce correct, clear, and concise documentation for programs.</li><li>4. Demonstrate effective debugging techniques.</li><li>5. Construct programs utilizing elementary data structures.</li><li>6. Determine proper control structures for implementation of problem solutions.</li><li>7. Construct algorithms using logical and relational operators.</li><li>8. Manage program input from multiple sources.</li><li>9. Direct program output to multiple destinations.</li><li>10. Code programs that demonstrate the use of selection structures.</li><li>11. Write programs that include proper use of looping structures.</li><li>12. Write programs utilizing object oriented design.</li></ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.