Course Title	**PROGRAMMING PRINCIPLES I**
Course Code	**CSC 111**
Course Purpose and Objectives	The purpose of this course is to provide basic knowledge on principles of problem-solving and programming. Students will learn to analyse a problem, draw a flowchart to solve a problem, transform the flowchart into coding and debug an elementary programme. They will practice their programming skills through the development of simple programmes using the C++ programming language.
Learning Outcomes	1. Design a flowchart to solve a problem. 2. Design, implement, debug, and document elementary programmes. 3. Use programming concepts through the development of simple programmes with the programming language C++. 4. Use of control and repetition structures. 5. Construct simple functions. 6. Demonstrate skills using Single Dimensional Arrays.
Course Content	• Introduction to problem solving and programming • Introduction to C++ • Syntax • Control structures • Repetition structures • Functions • Single dimensional arrays