

Bachelor of Science in Computer Networking

Programme Details

This is a 4 years degree programme with 8 semesters and a total of 480 credits. Each semester consists of 60 credits to complete. 1 credit is equal to 10 hours of learning (guided, in-class and independent combined), therefore a 10-credit module requires on average 100 hours of learning from the student. The programme consists of common 1st year modules, core (required) and elective modules as given below. Some modules may have pre-requisites (i.e. may require the student to pass another module or set of modules first). Some modules may be co-requisite (i.e. such modules are required to be taken together).

Core modules:

- C5-CE1-20: Computer and its Essentials 1(10)
- C5-PLD-20: Programming Logic and Design (10)
- C5-MAT-20: Mathematics (10)
- C6-PIE-20: Professional Issues and Ethics (10)
- C5-OSH-11: Operating Systems and Hardware (20)
- C6-NEF-20: Networking Fundamentals (20)
- C6-DBC-20: Database Concepts (10)
- D6-AWS-20: Academic Writing for STEM (10)
- C6-CE2-20: Computer and its Essentials 2 (10)
- C6-CSA-20: Computer System Architecture (10)
- C6-MDW-20: Managing Business Desktops using Windows (10)

- C6-PUC-20: Programming using C++ (20)
- C6-NSE-20: Network Security (10)
- C6-RSW-20: Routing and Switching (10)
- C6-RSL-20: Routing and Switching Lab (10)
- C6-WDD-20 : Web Design and Development (10)
- C6-WDP-20 : Web Design Practice Lab (10)
- C6-EOL-20: Essentials of Linux (10)
- C6-DSA-20: Data Structures and Algorithm (10)

Admissions Criteria

- 1.** Applicants are expected to have successfully completed secondary schooling. The typical entry requirement is LGCSE or other equivalent secondary school qualification.
- 2.** LGCSE/equivalent with a minimum of 5 subjects of which 3 Credits (C), 2 Pass (D) including minimum Pass (D) in English, Pass (D) in Mathematics.
- 3.** Applicants in possession of a Diploma or Higher Diploma in related field may be given exemptions based on the credit point equivalency.