

Notes :

" YOUR PATH TO GREATNESS
STARTS HERE "

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MEMBER

THE ASSOCIATION OF COMMONWEALTH UNIVERSITIES
INTERNATIONAL ASSOCIATION OF UNIVERSITIES



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**BSc (Hons) Degree in Information
Technology Specialising in
Computer Systems
& Network
Engineering**



Why SLIIT?

Highly qualified, dedicated in house academic staff, professional career focused education, innovative study programmes, outstanding facilities are some of the reasons that make SLIIT the right choice for you. SLIIT ensures its students a learning experience that is a enriching and enlightening.

“ The practical based curricula of this degree will allow you to gain a substantial edge at your employment prospects. ”

Our graduates are highly sought after by industry with 90% of computing graduates are finding employment within first four month of graduation.

Computing at SLIIT

- Opportunity to complete UGC approved highly recognized degree programme
- Competent in-house lecturer panel with more than 5000 of collective experience
- Opportunity to follow the one and only IET (UK) accredited Information Technology Degree programme in Sri Lanka leading to Chartered Engineer status
- Member of the Association of Commonwealth Universities and International Association of Universities (IAU)

Practical Experience

With a strong focus on building practical based study the BSc (Hons) Degree in Information Technology Specialising in Computer Systems and Network Engineering incorporates the students to gain hand in experience with networking, system, embeded and security concepts.

Computer Systems & Network Engineering

The programme aims to provide students with the knowledge, skills, and comprehension required to allow them to contribute to the planning, design and computer networks and system engineering . The degree programme delivers an extensive knowledge on computer hardware, network engineering, embedded systems, communication systems, interface design and automation.

Duration : 04 Years
Entry : February / June / September
Location : Malabe
Offered : Weekdays / Weekends
Examinations : Weekdays / Weekends

Careers

Graduates typically embark on careers as:

- Network Administrator
- Network Engineer
- Network Designer
- Database Engineer
- Infrastructure Manager
- System Designer
- Systems Administrator
- Embedded Systems Designer
- Embedded Software Designer
- Information Systems Auditor
- Information Security Manager
- Database Administrator
- IT Manger
- Communication Engineer
- Network Architect
- Cloud Engineer / Architect
- Network Programmer

Course Structure

YEAR01

Communication Skills
Introduction to Programming
Mathematics for Computing
Introduction to Computer Systems
English for Academic Purposes
Network Fundamentals
Object Oriented Concepts
Information Systems and Data Modeling
Engineering Mathematics

YEAR03

Network Programming
Directory Services and Network Management
Wide Area Networks
Information Storage Management
Wireless Communications
Business Management for IT
Network Technology Project
Network Security Engineering

Entry Requirements

Passes in three subjects (in Science stream) at the G.C.E (Advanced Level) examination (Sri Lanka / London) in one and the same sitting and a pass at the Aptitude Test conducted by SLIIT. The applicants must have a pass in Mathematics or Physics or from Engineering Technology Technology stream.

YEAR02

Digital Electronics
Routing & Switching
Analog Electronics
Database System Administration
Object Orientated Programming
Advanced Internetworking
Operating Systems
Computer Systems Administration
Embedded Systems
Professional Engineering Practise & Industrial Mgt.

YEAR04

Research Project
Information Security Management
Virtualization and Cloud Computing Technologies
Preparation for Professional World
Software Defined Networks
Information Assurance and Auditing
Innovation Management & Entrepreneurship
Machine Learning
Enterprise Standards for Information Systems
Two Elective & Module of the Following*
Parallel and distributed Computing
Internet of Things