

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 which you gain from this degree will provides you 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.

Engineering at SLIIT

- Opportunity to complete UGC approved highly recognized degree programme
- Competent in-house lecture panel with more than 5000 of collective experience
- Member of the Association of Commonwealth Universities and International Association of Universities (IAU)

Study Experience

With a strong focus on building theoretical and practical based study, the BSc Engineering (Hons) Degree in Electrical and Electronic Engineering incorporates the students to gain hand in experience in real time assignments, group projects, and co-curricular activities. The students are required to attend an internship in their vacation period as a part of their degree.

Electrical & Electronic Engineering

SLIIT’s Electrical and Electronic Engineering degrees develop engineers with a firm grounding in electronics, plus the specialist skills required to work at the forefront of electrical engineering, power and control. After two common foundation years in mathematics, sciences, basic engineering sciences and practical skills you will go on to study specialist modules in topics such as Electronic Engineering (EN), Communication Engineering (CE) , Electrical Engineering (EE), Computer Systems Engineering (CS) and Network engineering (NE).

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

Careers in :

- Electronic,
- Telecommunication
- Electrical Power or Data Communication,
- Networking Industries Locally and Internationally

Entry Requirements

Passes in three subjects in Maths stream including a Credit pass in Maths or Physics 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.

Course Structure

Semester 01
Engineering Mechanics
Engineering Design and Processes
Electrical Systems
Engineering Mathematics I
English Language Skills I
Introduction to Sustainable Engineering
Introduction to Renewable Energy

Semester 02
Engineering Skills Development
Engineering Principles and Communication
Engineering Materials
Engineering Mathematics II
Engineering Programming
English Language Skills II

Semester 01
Communication Engineering I
Control Systems
Design Project I
Electronic Design
Power Systems Analysis
Engineering Electromagnetics
Embedded Systems Engineering I
Digital Multimedia Content
Foundations in Computer Engineering
Electrical Installations
Real Time Operating System
Physical and Optoelectronics

Semester 02
Design Project II
Engineering Management
Data Communication & Networking
Advanced Digital Design
Radio Frequency and Microwave Electronics
Power Electronics
Power Systems Protection
Electrical Machines and Stability
Advanced Control Systems
Communication Engineering II
Digital Access Systems
Embedded Software Engineering
Information Security
Computing for Engineers
Humanities II
Industrial Training II

Semester 01
Fluid Mechanics & Thermodynamics
Foundation of Digital Design
Electrical Circuits
Object Oriented Programming
Microcomputers
Engineering Mathematics III

Semester 02
Electronic Fundamentals
Signals and Systems
Electromagnetic & Electromechanical Energy Conversion
Data Structures and Algorithms
Introduction to Control and Robotics
Computer Networks
Humanities I
Industrial Training I

Semester 01
Electronic Engineering Project
Legal Framework & Sustainability in Electrical Engineering
Power Electronics & Drives
Electrical Utility Engineering
Network Design and Performance Evaluation
Embedded Systems Engineering II
Advanced Computer Architecture
Communication Signal Processing
Optical Communications
Next Generation Networks
Radio Frequency & Microwave Systems
Models of Computations
Industrial Management & Marketing

Semester 02
Electronic Engineering Project
Computer Structures
Medical Electronics
Electrical Power Transmission & Distribution
Electromagnetic Propagation
Digital Signal Processing
Introduction to Smart Grid Control
Information Theory & Error Control Coding
Computer Vision and Image Processing
Neural & Fuzzy Systems
Instrumentation and Control
Industrial Automation and Process Control
Network Management and Security
Internet Technologies
Distributed Computing
Wireless Communications
Renewable Energy Systems