

INFORMATION TECHNOLOGY



The programme is designed for technically focused students who required to develop strong professional & academic capabilities in programming. You will develop strong technical skills in the areas of software design and software engineering, operating systems, systems administration and technical support, and networking.

CAREER OPPORTUNITIES

- ICT Infrastructure Engineers
- Information Assurance Engineers
- Web Developers
- Data Engineers
- IT Managers
- System and Data Administrators
- Software Quality Assurance Engineers
- Software Engineers
- Network Engineers
- IT Educationists.

ENTRY REQUIREMENTS

Passes in three subjects (in any subject 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.

YEAR ONE SEMESTER 01	IT1120	Introduction to Programming	04
	IE1030	Data Communication Networks	04
	IT1130	Mathematics for Computing	04
	IT1140	Fundamentals of Computing	04
SEMESTER 02	IT1160	Discrete Mathematics	04
	IT1170	Data Structures and Algorithms	04
	SE1010	Software Engineering	04
	IT1150	Technical Writing	04
YEAR TWO SEMESTER 01	IT2120	Probability and Statistics	04
	SE2010	Object Oriented Programming	04
	IT2130	Operating Systems & System Administration	04
	IT2140	Database Design and Development	04
SEMESTER 02	IT2011	Artificial Intelligence & Machine Learning	04
	IT2150	IT Project	04
	SE2020	Web and Mobile Technologies	04
	IT2160	Professional Skills	04
YEAR THREE SEMESTER 01	IT3120	Industrial Economics & Management	04
	IT3130	Application Development	04
	IT3140	Database Systems	04
	IT3150	IT Process and Infrastructure Management	04
SEMESTER 02	IT3190	Industry Training	08
	IT3180	Cloud Technologies	04
	IT3200	Data Analytics	04
	IT3160	Research Methods	04
YEAR FOUR SEMESTER 01	IT4200	Research Project - I	04
	IT4210	Information Security	04
	IT4150	Intelligent Systems Development	04
	IT4180	IT Policy Management and Governance	04
	IT4160	Software Quality Management	04
SEMESTER 02	IT4200	Research Project - II	08
	IT4190	Current Trends in IT	04
	SE4120	Enterprise Application Development	04
	IT4170	Human Computer Interaction	04

* Electives to be chosen with prior approval