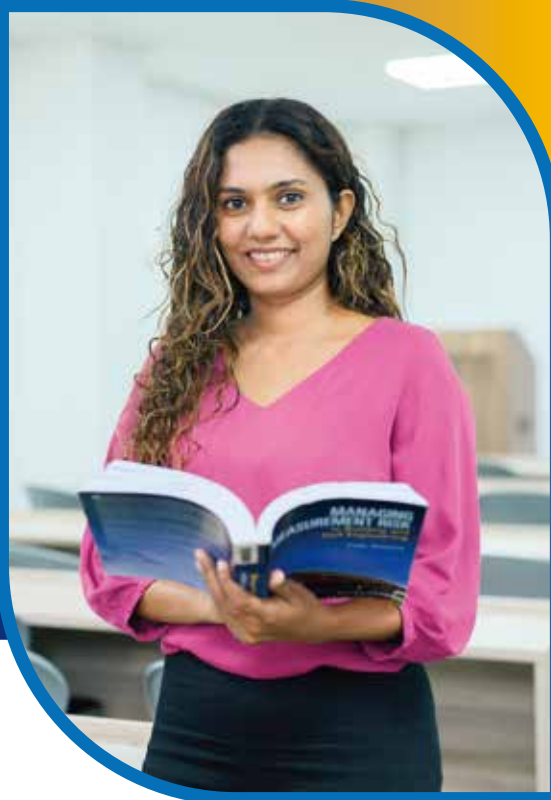


INFORMATION SYSTEMS ENGINEERING



Information Systems Engineering Degree is where technology meets business. The program mainly caters to those interested in becoming specialists in analyzing and diagnosing business problems. who analyze and diagnose business problems and opportunities, and recommending the right IT solutions to satisfy the information needs.

This stream particularly emphasis on Systems Analysis and Design, Business Analysis, Requirement Engineering, Business Process Design and Management, User Interface Design, IS Management and Operations, Enterprise Architecture, Data and Information Management, E-Commerce, Business Management, Organizational Change, and Entrepreneurship. Information Systems Engineering graduates are molded to become competent in soft skills to facilitate diversified business challenges.

CAREER OPPORTUNITIES

- Business Analysts
- Systems Analysts
- Project Managers
- Application Developers
- Software Quality Engineers
- ICT Consultants
- Business Process Analysts
- Enterprise Architects
- Business Information Managers
- Database Administrators
- Product Owners

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. To progress from year two semester one to year two semester two. The student has to meet the minimum CGPA set by the faculty.

YEAR ONE SEMESTER 01	IT1120	Introduction to Programming	04
	IT1030	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
	IE2130	Operating Systems & System Administration	04
	IE2140	Database Design and Development	04
SEMESTER 02	IT2011	Artificial Intelligence & Machine Learning	04
	IE2091	IS Project	04
	IE2101	Requirement Engineering	04
	IE2160	Professional Skills	04
YEAR THREE SEMESTER 01	IE3120	Industrial Economics & Management	04
	IE3101	Enterprise Network and Information systems security	04
	IE3111	Organizational Functions	04
	IE3121	Enterprise Architecture	04
SEMESTER 02	IE3131	Business Intelligence and Data Analytics	04
	IE3141	IS Strategy , Management & Acquisition	04
	IE3190	Industry Training	08
	IE3160	Research Methods	04
YEAR FOUR SEMESTER 01	IT4200	Research Project - I	04
	IT4211	Business Process Management	04
	IE4221	Professional Business Analysis	04
	IE4231	Digital Entrepreneurship	04
	IT4160	Software Quality Assurance	04
SEMESTER 02	IE4200	Research Project - II	08
	IE4241	Emerging Trends in ISE	04
	IT4251	Supply Chain Management	04
	IE4261	IS Auditing and Risk Management	04
	IT4170	Human Computer Interaction	04

* Electives to be chosen with prior approval