CYBER SECURITY

The course is designed for students who wish to gain an accelerated early career in cyber/information security. It will prepare you for a successful career in the various roles directly and indirectly connected to the world of computer, network and information security.



CAREER OPPORTUNITIES

- Cyber Security Professionals
- Network Security Specialists
- Operations and Security Managers
- Incident and Threat Managers
- Systems Security Architects
- Risk Analysts and Risk Managers
- Computer Forensics Investigators
- Security Operations Center (SOC) Analysts

ENTRY REQUIREMENTS

Passes in three subjects (in any stream) at the G.C.E (Advanced Level) examination (Sri Lankan/London) in one and the same sitting and a pass at the Aptitude Test conducted by SLIIT. To progress from the second year semester one to second year semester two, a student must meet the minimum GPA requirement specified by the Faculty.

YEAR ONE SEMESTER 01	IT1120 IT1030 IT1130 IT1140	Introduction to Programming Data Communication Networks Mathematics for Computing Fundamentals of Computing	04 04 04 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	IE2120 SE2010 IE2130 IE2140	Probability and Statistics Object Oriented Programming Operating Systems & System Administration Database Design and Development	04 04 04 04
SEMESTER 02	IE2011	Artificial Intelligence & Machine Learning	04
	IE2092	Introduction to Cyber Security	04
	IE2102	Network Programming	04
	IE2160	Professional Skills	04
YEAR THREE SEMESTER 01	IE3120 IT3122 IE3132 IE3142	Industrial Economics & Management Network Security Vulnerability Assessment & Penetration Testing DevOps Security	04 04 04 04
SEMESTER 02	IE3190	Industry Training	08
	IE3152	Cryptography	04
	IE3162	Ethical Hacking & Cyber Ops	04
	IE3160	Research Methods	04
YEAR FOUR SEMESTER 01	IT4200 IE4102 IE4112 IE4122 IE4132	Research Project - I Governance, Risk Management & Compliance Data & Systems Security Secure Software Engineering Cyber Law & Ethics	04 04 04 04
SEMESTER 02	IE4200	Research Project - II	08
	IE4142	Digital Forensics	04
	IE4152	Virtualization & Cloud Security	04
	IE4130	Internet of Things	04

^{*} Electives to be chosen with prior approval