

**Sri Lanka Institute of Information Technology**

**B.Sc. Honours in Information Technology - Specialization in Cyber Security**

Module Code	Module Name	Credits	
		GPA	NGPA
<i>Year 1 Semester 1</i>			
IT 1010	Introduction to Programming	4	
IT 1020	Introduction to Computer Systems	4	
IT 1030	Mathematics for Computing	4	
IT 1040	Communication Skills	3	
<i>Year 1 Semester 2</i>			
IT 1050	Object Oriented Concepts	2	
IT 1060	Software Process Modeling	3	
IT 1080	English for Academic Purposes	3	
IT 1090	Information Systems and Data Modeling	4	
IT 1100	Internet and Web Technologies	4	

Module Code	Module Name	Credits	
		GPA	NGPA
<i>Year 2 Semester 1</i>			
IE2012	Systems and Network Programming	4	
IE2022	Introduction to Cyber Security	4	
IE2032	Secure Operating Systems	4	
IE2042	Database Management Systems for Security	4	
<i>Year 2 Semester 2</i>			
IE2052	Advanced Networking Technologies	4	
IE2062	Web Security	4	
IE2072	Foundations of Algorithms	4	
IT2090	Professional Skills	2	
IT2100	Employability Skills Development – Seminar		1
IE2082	Discrete Mathematics	4	

Module Code	Module Name	Credits	
		GPA	NGPA
<i>Year 3 Semester 1</i>			
IE3022	Applied Information Assurance	4	
IE3032	Network Security	4	
IE3042	Secure Software Systems	4	
IE3052	Information Security Risk Management	2	
IE3112	Mobile Security	4	
IT3050	Employee Skills Development - Seminar		1
<i>Total for Year 3 Semester 1</i>			
<i>Year 3 Semester 2</i>			
IE3062	Data and Operating System Security	4	
IE3072	Information Security Policy and Management	2	
IE3082	Cryptography	4	
IE3092	Information Security Project	3	
IE3102	Enterprise Standards for Information Security	2	
IT3110	Industry Placement		8

Module Code	Module Name	Credits	
		GPA	NGPA
<i>Year 4 Semester 1 &amp; 2</i>			
IT4010	Research Project	16	
IT4070	Preparation for the Professional World		2
<b>Electives</b>			
IE4012	Offensive Hacking: Tactical and Strategic	4	
IE4022	Security Economic Analysis	4	
IE4062	Cyber Forensics and Incident Response	4	
IE4092	Machine Learning for Cyber Security	4	
IE4032	Information Warfare	4	
IE4052	Hardware Security	4	
IE4072	Governance and Cyber Law Clinic	4	
IE4042	Secure Software Engineering	4	