Sri Lanka Institute of Information Technology

B.Sc. Honours in Information Technology - Specialization in Computer Systems and Network Engineering

Module Code	Module Name	Credits	
		GPA	NGPA
Year 1 Semester 1			
IT 1010	Introduction to Programming	4	
IT 1020	Introduction to Computer Systems	4	
IT 1030	Mathematics for Computing	4	
IT 1040	Communication Skills	3	
Year 1 Semester 2			
IT 1050	Object Oriented Concepts	2	
IE1010	Engineering Mathematics	3	
IT 1080	English for Academic Purposes	3	
IT 1090	Information Systems and Data Modeling	4	
IE1020	Network Fundamentals	4	

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Year 2 Semester 1			
IE2020	Routing & Switching	4	
IE2030	Analog Electronics	2	
IE2080	Database Systems Administration	4	
IE2010	Digital Electronics	2	
IT2030	Object Oriented Programming	4	
IT2110	Probability and Statistics	3	
Year 2 Semester 2			
IE2040	Advanced Internetworking	4	
IE2050	Operating Systems	4	
IE2060	Computer Systems Administration	4	
IE2090	Professional Engineering Practice and Industrial Management	2	
IE2070	Embedded Systems	4	1
IT2090	Professional Skills	2	

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		GPA	NGPA
Year 3 Semester 1			
IE3050	Wireless Communications	4	
IE3020	Directory Services and Network Management	4	
IE3030	Wide area Networks	4	
IE3040	Information Storage Management	4	
IT3050	Employee Skills Development - Seminar		1
Year 3 Semester 2			
IE3010	Network Programming	4	
IE3060	Business Management for IT	3	
IE3070	Network Technology Project	4	
IE3080	Network Security Engineering	4	
IT3110	Industry Placement		8

Module Code	Module Name	Credits	
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Year 4 Semester 1			
IT4010	Research Project	16	
IT4070	Preparation for the Professional World		2
Electives			
IT4030	Internet of Things	4	
IE4010	Information Security Management	4	
IE4080	Software Defined Networks	4	
IE4040	Information Assurance and Auditing	4	
IE4060	Robotics and Intelligent Systems	4	
IE4030	Virtualization and Cloud Computing Technologies	4	
IE4070	Design and Management of Enterprise Networks	4	
IE4020	Enterprise Standards for Information Systems	4	