

**Sri Lanka Institute of Information Technology**

**B.Sc. Honours in Information Technology - Specialization in Software Engineering**

Module Code	Module Name	Credits	
		GPA	NGPA
<i>Year 1 Semester 1</i>			
IT1010	Introduction to Programming	4	
IT1020	Introduction to Computer Systems	4	
IT1030	Mathematics for Computing	4	
IT1040	Communication Skills	3	
<i>Year 1 Semester 2</i>			
IT1050	Object Oriented Concepts	2	
IT1060	Software Process Modeling	3	
IT1080	English for Academic Purposes	3	
IT1090	Information Systems and Data Modeling	4	
IT1100	Internet and Web Technologies	4	

Module Code	Module Name	Credits	
		GPA	NGPA
<i>Year 2 Semester 1</i>			
IT2020	Software Engineering	4	
IT2030	Object Oriented Programming	4	
IT2040	Database Management Systems	4	
IT2050	Computer Networks	4	
IT2060	Operating Systems and System Administration	4	
<i>Year 2 Semester 2</i>			
IT2010	Mobile Application Development	4	
IT2070	Data Structures and Algorithms	4	
IT2080	IT Project	4	
IT2090	Professional Skills	2	
IT2100	Employability Skills Development –Seminar		1
IT2110	Probability and Statistics	3	

Module Code	Module Name	Credits	
		GPA	NGPA
<i>Year 3 Semester 1</i>			
SE3010	Software Engineering Process & Quality Management	4	
SE3020	Distributed Systems	4	
SE3030	Software Architecture	4	
SE3040	Application Frameworks	4	
IT3050	Employability Skills Development - Seminar		1
<i>Year 3 Semester 2</i>			
SE3050	User Experience Engineering	3	
SE3060	Database Systems	4	
SE3070	Case Studies in Software Engineering	4	
SE3080	Software Project Management	3	
IT3110	Industry Placement		8

Module Code	Module Name	Credits	
		GPA	NGPA
<i>Year 4 Semester 1</i>			
IT4010	Research Project		
IT4070	Preparation for the Professional World		2
SE4010	Current Trends in Software Engineering	4	
IT4060	Machine Learning	4	
SE4020	Mobile Application Design & Development	4	
IE4060	Robotics and Intelligent Systems	4	
IT4130	Image Understanding & Processing	4	
<i>Year 4 Semester 2</i>			
IT4010	Research Project	16	
SE4030	Secure Software Development	4	
SE4040	Enterprise Application Development	4	
SE4050	Deep Learning	4	
SE4060	Parallel Computing	4	