**Sri Lanka Institute of Information Technology**

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

| Module Code | Module Name | Credits | |
|---|---|---|---|
| | | **GPA** | **NGPA** |
| *Year 1 Semester 1* | | | |
| IT1010 | Introduction to Programming | 4.0 | |
| IT1020 | Introduction to Computer Systems | 4.0 | |
| IT1030 | Mathematical Computing | 4.0 | |
| IT1040 | Communication Skills | 3.0 | |
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| *Year 1 Semester 2* | | | |
| IT1050 | Object Oriented Concepts | 2.0 | |
| IT1060 | Software Process Modelling | 3.0 | |
| IT1080 | English for Academic Purposes | 3.0 | |
| IT1090 | Information Systems and Data Modelling | 4.0 | |
| IT1100 | Internet and Web Technologies | 4.0 | |
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| *Year 2 Semester 1* | | | |
| IT2040 | Database Management Systmes | 4.0 | |
| IE2021 | Object Oriented Programming | 4.0 | |
| IE2031 | Structured Analysis and Design | 4.0 | |
| IE2041 | Information Systems Analysis | 4.0 | |
| IE2071 | Design and Management of Computing Infrastructure | 4.0 | |
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| *Year 2 Semester 2* | | | |
| IE2051 | Information Systems Project | 4.0 | |
| IE2061 | Operating Systems and Systems Administration | 4.0 | |
| IT2110 | Probability and Statistics | 3.0 | |
| IE2081 | Object Oriented Analysis and Design | 4.0 | |
| IT2090 | Professional Skills | 2.0 | |
| IT2100 | Employability Skills Development | | 1.0 |
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|---|---|---|---|
| | | GPA | NGPA |
| *Year 3 Semester 1* | | | |
| IE3011 | IS Project Management | 3.0 | |
| IE3021 | Organizational Business Function I | 3.0 | |
| IE3031 | Management Information Systems | 3.0 | |
| IE3041 | Data Management and Business Intelligence | 4.0 | |
| IE3051 | E-Business: strategy, Architecture and Design | 3.0 | |
| IT3050 | Employability Skills Development - Seminar (Non GPA) | | 1.0 |
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| *Year 3 Semester 2* | | | |
| IE3061 | Information Security Management | 4.0 | |
| IE3071 | Organizational Business Functions II | 3.0 | |
| IE3081 | Enterprise Resource Planning | 4.0 | |
| IE3091 | Information Systems Strategic Management | 3.0 | |
| IT3110 | Industry Placement (*8) NGPA* | | 8.0 |

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|---|---|---|---|
| | | GPA | NGPA |
| *Year 4 Semester 1* | | | |
| IT4010 | Research Project | 16.0 | |
| IT4070 | Preparation for the Professional World | | 2.0 |
| IE4011 | Business Process Management | 4.0 | |
| Electives | | | |
| IE4040 | Information Assurance and Auditing | 4.0 | |
| IE4151 | Human Resource Information Systems | 4.0 | |
| IT4100 | Software Quality Asuarance | 4.0 | |
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| *Year 4 Semester 2* | | | |
| IT4010 | Research Project | 4.0 | |
| IE4071 | Practicing Business Analyst | 4.0 | |
| Electives | | | |
| IE4081 | Supply Chain Management | 4.0 | |
| IT4120 | Knowledge Management | 4.0 | |
| IE4131 | Human Computer Interaction* | 4.0 | |
| IT4050 | Innovation Management & Entrepreneurship | 4.0 | |