

## 100 Level

Semester 01		
Course Code	Course Title	Credits
ESD 121-1	English Language	1
ESD 151-1 / ESD 161-1	Sinhala Language I / Tamil Language I	1
ICT 101-2	Mathematics for ICT	2
ICT 131-3	Programming Techniques	3
ICT 132-2	Fundamentals of Computer Networks	2
ICT 133-3	Computer Systems Organization	3
ICT 141-3	Electronics for ICT	3
<b>Total Credits</b>		<b>15</b>

Semester 02		
Course Code	Course Title	Credits
ESD 111-1	Communication Skills I	1
ESD 122-1	Communicative English	1
ESD 152-1 / ESD 162-1	Sinhala Language II / Tamil Language II	1
ICT 102-2	Calculus	2
ICT 103-2	Introduction to Statistics	2
ICT 111-2	Financial Management	2
ICT 134-2	Database Management Systems	2
ICT 142-3	Internet and Web Technologies	3
ICT 143-2	Data Structures and Algorithms	2
<b>Total Credits</b>		<b>16</b>

## 200 Level

Semester 03		
Course Code	Course Title	Credits
BGE 211-2	Aesthetic Studies	2
ESD 221-1	Effective English Usage	1
ICT 201-2	Numerical Methods	2
ICT 231-3	Object Oriented Programming	3
ICT 232-3	Information Systems and Data Modeling	3
ICT 233-2	Communication Theory	2
ICT 234-2	Information Assurance	2
ICT 235-3	Software Engineering	3
<b>Total Credits</b>		<b>18</b>

Semester 04		
Course Code	Course Title	Credits
ESD 222-1	Explorative English	1
ICT 211-2	Project Management	2
ICT 221-2	Professional Ethics in Computing	2
ICT 222-2	Independent Study Project I	2
ICT 236-2	Business Process Management	2
ICT 237-2	Systems Level Programming	2
ICT 238-3	Object Oriented Analysis and Designs	3
ICT 241-2	Human Computer Interaction	2
ICT 242-2	Statistical Methods	2
<b>Total Credits</b>		<b>18</b>

### 300 Level – Software Technology

Semester 05		
Course Code	Course Title	Credits
ESD 311-1	Communication Skills II	1
ICT 321-2	Independent Study Project II	2
ICT 331-2	Advanced Database Management Systems	2
ICT 332-3	Software Quality Assurance	3
ICT 341-2	Algorithm Design and Optimization	2
ICT 342-2	Cloud Computing	2
ICT 343-3	Web Service Technologies	3
ICT 351-2	Mobile Computing	2
ICT 352-2	Rapid Application Development	2
<b>Total Credits</b>		<b>19</b>

Semester 06		
Course Code	Course Title	Credits
ICT 371-6	Industrial Training	6
<b>Total Credits</b>		<b>6</b>

### 300 Level – Business Intelligence

Semester 05		
Course Code	Course Title	Credits
ESD 311-1	Communication Skills II	1
ICT 321-2	Independent Study Project II	2
ICT 331-2	Advanced Database Management Systems	2
ICT 332-3	Software Quality Assurance	3
ICT 341-2	Algorithm Design and Optimization	2
ICT 342-2	Cloud Computing	2
ICT 343-3	Web Service Technologies	3
ICT 361-3	Operational Research	3
ICT 362-1	Sampling Techniques	1
<b>Total Credits</b>		<b>19</b>

Semester 06		
Course Code	Course Title	Credits
ICT 371-6	Industrial Training	6
<b>Total Credits</b>		<b>6</b>

## 400 Level – Software Technology

Semester 07		
Course Code	Course Title	Credits
ICT 481-6	Capstone Project	6
ICT 431-2	Object Oriented Design Patterns and Principals	2
ICT 441-2	Scientific Writing and Research Methodology	2
ICT 442-2	Emerging Technologies in ICT	2
ICT 443-2	Multivariate Analysis	2
ICT 451-3	Software Requirement Engineering	3
ICT 452-2	Semantic Web Technologies	2
<b>Total Credits</b>		<b>17</b>

Semester 08		
Course Code	Course Title	Credits
ICT 481-6	Capstone Project (Cont.)*	
ICT 411-2	Entrepreneurship and Business Development	2
ICT 421-2	Safety and Risk Management	2
ICT 432-3	Computer Systems Security	3
ICT 453-2	Parallel and Distributed Computing	2
ICT 454-3	IoT and Embedded Systems	3
<b>Total Credits</b>		<b>12</b>

## 400 Level – Business Intelligence

Semester 07		
Course Code	Course Title	Credits
ICT 481-6	Capstone Project	6
ICT 431-2	Object Oriented Design Patterns and Principals	2
ICT 441-2	Scientific Writing and Research Methodology	2
ICT 442-2	Emerging Technologies in ICT	2
ICT 443-2	Multivariate Analysis	2
ICT 461-2	Time Series Analysis	2
ICT 462-3	Data Mining and Practical Machine Learning	3
<b>Total Credits</b>		<b>17</b>

Semester 08		
Course Code	Course Title	Credits
ICT 481-6	Capstone Project (Cont.)*	
ICT 411-2	Entrepreneurship and Business Development	2
ICT 421-2	Safety and Risk Management	2
ICT 432-3	Computer Systems Security	3
ICT 463-2	Neural Networks	2
ICT 464-3	Intelligent Systems	3
<b>Total Credits</b>		<b>12</b>