

Bachelor of Information Technology (BIT) Degree Programme

Course Structure (for Students Registered in the Academic Year 2020)

The courses that should be followed by the students registered in the academic year 2020 in each respective level are given below.

A student must select a minimum of 30 GPA credits from each level including all compulsory courses. All courses in Level I and Level II are compulsory and each of them has online assignments. All Enhancement courses in Level I, II and III consist of two compulsory components, and a student will need to pass **both online assessment AND the written examination paper at one sitting.**

LEVEL I

(With effect from Year 2020)

LEVEL I Courses (All courses are compulsory with online assignments)				
Code	Name	Semester	Credits	GPA Credits
EN1106	Introductory Mathematics	1	2	-
IT1106	Information Systems	1	4	4
IT1206	Computer Systems	1	4	4
IT1306	Free and Open Source Software for Personal Computing	1	3	3
IT1406	Introduction to Programming	1	4	4
EN2106	Communication Skills I	2	2	-
IT2106	Mathematics for Computing I	2	3	3
IT2206	Fundamentals of Software Engineering	2	4	4
IT2306	Database Systems	2	4	4
IT2406	Web Application Development I	2	4	4
Total Number of Credits			34	30

LEVEL II

(With effect from Year 2021)

LEVEL II Courses (All courses are compulsory with online assignments)				
Code	Name	Semester	Credits	GPA Credits
EN3106	Communication Skills II	3	2	-
IT3106	Object Oriented Analysis & Design	3	3	3
IT3206	Data Structures and Algorithms	3	3	3
IT3306	Data Management Systems	3	3	3
IT3406	Web Application Development II	3	4	4
IT4106	User Experience Design	4	3	3
IT4206	Enterprise Application Development	4	4	4
IT4306	Information Technology Project Management	4	3	3
IT4406	Agile Software Development	4	4	4
IT4506	Computer Networks	4	3	3
Total Number of Credits			32	30

LEVEL III

(With effect from Year 2022)

LEVEL III Courses (Select all Compulsory (C) and optional (O) courses to complete 30 GPA credits)					
Code	Name	Semester	Credits	GPA Credits	Course Type
EN5106	Fundamentals of Management & Entrepreneurship	5	2	-	C
IT5106*	Software Development Project	5 & 6	8	8	C
IT5206	Professional Practice	5	3	3	C
IT5306	Principles of Information Security	5	3	3	C
IT5406	Systems & Network Administration	5	3	3	C
IT5506	e-Business Technologies	5	3	3	O
EN6106	Advanced Concepts in Information Technology	6	2	-	C
IT6206	Software Quality Assurance	6	3	3	C
IT6306	Application Development for Mobile Environments	6	4	4	C
IT6406	Network Security and Audit	6	3	3	C
IT6506	Mathematics for Computing II	6	3	3	O
Total Number of Credits			37	33	

* IT5106-Software Development Project is an 8 GPA Credit course and offered in both Level III Semester 5 and 6 with 4 Credits for each semester.

EN courses are non-GPA. Therefore, the credit value of an EN course is not considered for GPA calculation.