Proposed Curriculum of The Degree of the Information and Communication Technology Honours - BICT (Hons):

Level I Semester I

Information Technology Course Units	Mathematics & Statistics Course Units	Complementary Studies Course Units
ICT1113- Essentials of ICT	MAT1113 – Fundamentals of Mathematics	ENG1110: English I (teaching – 4-hours per week)
ICT1123 -PC Application & Computer Laboratory		
ICT1133- Fundamentals of Program Concepts and Techniques		
ICT1143 –Web Technologies		
Level I Sem. I Total credits (Additional hours given for English)		

Level I Semester II

Information Technology Course Units	Mathematics & Statistics Course Units	Complementary Studies Course Units
ICT1213 –Database Management	MAT1213 – Discrete Mathematics	ENG1210: English II (teaching 2-hours per week)
ICT1223-Operating System Concepts and Application	MAT1222-Statictics Another one in Level II Semester II	
ICT1232-Computer Laboratory		
ICT1242-Social Computing		

Level II Semester I

Information Technology Course Units	Mathematics & Statistics Course Units	Complementary Studies Course Units
ICT2123- Data Structures and Algorithms		TCS2112: Business Economics
ICT2123-Object Oriented Analysis and Design		TCS2122: Soft Skills
ICT2133-System Analysis and Design & Usability		ENG2110: English III (teaching 2-hours per week)
ICT1242-Computer Architecture		
ICT2152-Management Information Systems		

Level II Semester II

Information Technology Course Units	Mathematics & Statistics Course Units	Complementary Studies Course Units
ICT2213-Object Oriented Development	MAT2213: Probability and Statistics	TCS2212: Fundamentals of Management
ICT2223-Computer Networks		TCS2221: Ethics for Technologists
		ENG2210: English IV (teaching 2-hours per week)
ICT2233-IT Project Management		
ICT2243-E-Commerce Implementation, Management and Security		

Level III Semester I

Information Technology Course Units	Mathematics & Statistics Course Units	Complementary Studies Course Units
ICT3113-Advanced Programming in Java/C++		TCS3122: Accounting for Technologists
ICT3123-Internet Application Development		ENG3110: English V (Teaching 2-hours per week)
ICT3132-Human Computer Interaction		
ICT3142-Rapid and Agile Software Development		
ICT3153-Advance Computer Networks		
ICT3162 -Mobile Computing Principles		

Level III Semester II

Information Technology Course Units	Mathematics & Statistics Course Units	Complementary Studies Course Units
ICT3212-Software Verification and Quality Assurance		TCS4122: Creativity, Innovation & Entrepreneurship
ICT3233-Mobile Application Development		TCS4131: Introduction to Sociology
ICT3243-Network, Computer and Application Security		
ICT3253-Cloud Application Development		
ICT3262- Advance Web Technologies		
ICT2152-Professional Issues in IT		

Level IV Semester I

Information Technology Course Units	Mathematics & Statistics Course Units	Complementary Studies Course Units
BICT4113- Group Project		
BICT3223-Artificial Intelligence		
BICT4142-Introduction to Smart Systems		
BICT4153-Game Programming		
BICT4162-Software Testing Methods and Tools		
BICT4172-Advanced Database Management Systems		
BICT4216- Industrial Training		