4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

		Year 1		Year 2		Year 3		Year 4	
		Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
Course Structure Session 2019/2020		**HC05 NETWORK ENGINEERING**							
	UNIVERSITI CORE (12 Credit Hours)	***UW00202** Islam & Asian Civilization **UEXXX02** (Student Choice) **UKXXX02** (Student Choice) **(6 Credit Hours)**	***UW00102** Ethnic Relations **UCXXX02** (Student Choice) **(4 Credit Hours)**	**UW00302** Basic Entrepreneurial Acculturation (APK) **(2 Credit Hours)**					
	LANGUAGE (8 Credit Hours)	**UB0XXX2 / UX00XX2** **(2 Credit Hours)**	**UB0XXX2 / UX00XX2** **(2 Credit Hours)**	**UB0XXX2 / UX00XX2** **(2 Credit Hours)**	**UB0XXX2 / UX00XX2** **(2 Credit Hours)**				
	CO-CURRICULUM (3 Credit Hours)	**ECXXXX3** Co-Curriculum **(3 Credit Hours)**							
	FACULTY CORE (35 Credit Hours)	**KT14303** Programming Principles **KT14503** Mathematics for Computing **(6 Credit Hours)**	**KT14203** Computer Architecture & Organization **KT14403** Discrete Structures **(6 Credit Hours)**	**KT24103** Data Structures & Algorithms **KT24503** Database **(6 Credit Hours)**	**KT24203** Probability and Statistics **KT24403** Operating Systems **(6 Credit Hours)**	**KT34103** Artificial Intelligence **KT34303** Computer Graphics **(6 Credit Hours)**		**KT44103** Ethics and Law in ICT **KT44302** Entrepreneurship in Technology **(5 Credit Hours)**	

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

		Year 1		Year 2		Year 3		Year 4	
		Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8

Course Structure Session 2019/2020

HC05 NETWORK ENGINEERING

	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
PROGRAMME CORE (39 Credit Hours)		KP14603 Object Oriented Programming Concepts (3 Credit Hours)	KP24103 System Analysis & Design KP24303 Network Fundamentals (6 Credit Hours)	KP24203 Routing Protocols and Concepts KP24403 Web Technology (6 Credit Hours)	KP34503 Software Engineering KP34703 Human-Computer Interaction (6 Credit Hours)	KP34203 Project I KP34403 Parallel and Distributed Computing KP34603 Enterprise Networks KP34803 Network Security (12 Credit Hours)	KP44703 Project II KP44903 WAN Technology (6 Credit Hours)	
INDUSTRIAL TRAINNING (12 Credit Hours)								KP44212 Industrial Training (12 Credit Hours)
ELECTIVES (12 Credit Hours)				KP0XX03 Elective 1 (3 Credit Hours)	KP0XX03 Elective 2 (3 Credit Hours)	KP0XX03 Elective 3 (3 Credit Hours)	KP0XX03 Elective 4 (3 Credit Hours)	

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

		Year 1		Year 2		Year 3		Year 4	
		Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8

HC05 NETWORK ENGINEERING

TOTAL CREDIT HOURS (121 Credit Hours)	17	15	16	17	15	15	14	12

Note: Students can choose four (4) elective courses as listed below.

ELECTIVES LIST FOR HC05

Code	KP00103	KP00303	KP00503	KP00603	KP00703	KP00803	KP00903	KP01003	IP01903
Course Name	Ad Hoc and Sensor Networks	Network Simulation	Next Generation Network Archtecture	Mobile Application Development	Data Encryptions and Cryptography	Special Topics on Network	Wireless & Mobile Computing	Network Management and Monitoring	Digital Workforce
Credit Hours	3	3	3	3	3	3	3	3	3