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Programme Structure
BACHELOR OF COMPUTER SCIENCE WITH HONOURS
(INFORMATION SECURITY AND ASSURANCE)
ACADEMIC SESSION 2021/2022

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Semester	Code	Course	Component	Credit Hours
Year 1				
I	UTC1012	Application of Ethics and Civilization *	WU	2
	UBY1012	Bahasa Melayu Komunikasi (International student)		
	C######	Co-Curriculum	WU	2
	UTD2052	Da'wah and Sirah Nabawiyah	WU	2
	UTS1012	Introductory to Islamic Science	WU	2
	BAA1022	Arabic Language (Practical)*	WF	2
	BAA2022	Arabic Language (Communication)*		
	BAA3022	Arabic Language (Science)		
	BAA4022	Arabic Language (Academic)*		
	BAA5012	Arabic Language (Professional) *		
	BIA1012	English Language for General Purpose*	WF	2
	BIA2012	English Language for Communication*		
	BIA3012	English Language for Academic Purpose		
	BIS4012	English Language for Science and Technology*		
	BIS5012	English Language for Research *		
	SKJ1053	Programming Basics	WP	3
	SKJ2063	Database Management System	WP	3
Credit Hours				**18**
II	BAA1022	Arabic Language (Practical)*	WF	2
	BAA2022	Arabic Language (Communication)*		
	BAA3022	Arabic Language (Science)*		
	BAA4022	Arabic Language (Academic)*		
	BAA5012	Arabic Language (Professional)*		
	BIA1012	English Language for General Purpose*	WF	2
	BIA2012	English Language for Communication*		
	BIA3012	English Language for Academic Purpose		
	BIS4012	English Language for Science and Technology		
	BIS5012	English Language for Research*		
	SKJ1073	Principles Of Object Oriented Programming	WP	3
	SKJ2053	Discrete Mathematics	WP	3
	SKJ1033	Computer Digital Electronic	WP	3
	SKJ1063	Computer Networking	WP	3

	SMS1033	Calculus	WP	3
	Credit Hours			**19**
	Year 2			
III	BAA1022	Arabic Language (Practical)*	WF	2
	BAA2022	Arabic Language (Communication)*		
	BAA3022	Arabic Language (Science)*		
	BAA4022	Arabic Language (Academic)*		
	BAA5012	Arabic Language (Professional)*		
	BIA1012	English Language for General Purpose*	WF	2
	BIA2012	English Language for Communication*		
	BIA3012	English Language for Academic Purposes		
	BIS4012	English Language for Science and Technology*		
	BIS5012	English Language for Research*		
	UTD1022	Akhlaq and Sufism	WU	2
	SMS1012	Data Analytics	WF	2
	SKJ2023	Data Structure and Algorithm	WP	3
	SKJ2153	Computer Architecture	WP	3
	SMG2023	Linear Algebra	WP	3
	Credit Hours			**17**
IV	UTF1032	Al-Madkhal Ila al-Fiqh al-Islami	WU	2
	UTK2012	Creative Thinking and Problem Solving	WU	2
	UTP1012	Philisophy and Current Issues*	WU	2
	UBY1012	Bahasa Melayu Komunikasi	WP	
	SKJ2011	Digital Inclusive Community	WP	1
	SKJ2083	Software Engineering	WP	3
	SKJ3113	Internet and Network Security	WP	3
	SKJ3103	Operating System	WP	3
	SKJ2212	Ethical Hacking	WP	2
	Credit Hours			**18**
	Year 3			
V	UTQ1042	Al-Asas fi Quran wa Sunnah	WU	2
	SKJ4143	Application and Cryptography	WP	3
	SKJ3183	Artificial Intelligence	WP	3
	SKJ3153	Software Quality Assurance	EP	3
	SKJ3013	Advanced JAVA Programming		
	SKJ3143	Information Security Management	EP	3
	SKJ3163	Physical and Operational Security		
	SKJ3192	Digital Technology	WF	2

	XXXXXX	Elective I	EB	2
	Credit Hours			**18**
VI	UTU3012	Enterprenuership	WU	2
	SKJ3133	Computer and Information Security Audit @	EP	3
	SKJ3173	Secured Web Programming		
	SKJ3093	Graphic Design	WP	3
	SKJ4183	Information System Assurance	WP	3
	SKJ4272	Final Year Project I	WP	2
	SKJ3193	Intelligent Data Analysis @	EB	3
	SKJ3353	Data Protection and Privacy		
	XXXXXX	Elective II	EB	2
	Credit Hours			**18**
Year 4				
VII	SKJ4301	Honours Seminar	WP	1
	SKJ4284	Final Year Project II	WP	4
	SKJ4343	Wireless Telecommunication Security @	EP	3
	SKJ4193	Cyber Law		
	SKJ4333	Mobile System Security @	EP	3
	SKJ4233	Cyber Security Risk Governance		
	SKJ4523	Cyber Resilience @	EP	3
	SKJ4323	Computer Forensic		
	Credit Hours			**14**
VIII	SKZ401C	Industrial Training	WF	12
	Credit Hours			**12**
Total Credit Hours				**134**