

**BACHELOR OF COMPUTER SCIENCE WITH HONOURS
(INFORMATION SECURITY AND ASSURANCE)
ACADEMIC SESSION 2018/2019**

Sem	Course Code	Course Name	Course Level	Credit Unit
I	BAA1022	Arabic Language (Practical)*	WF	2*
	BAA2022	Arabic Language (Communication)*	WF	
	BAA3022	Arabic Language (Science)	WF	
	BAA4022	Arabic Language (Academic)*	WF	
	BAA5012	Arabic Language (Professional) *	WF	
	BIA1012	English Language for General Purpose*	WF	2*
	BIA2012	English Language for Communication*	WF	
	BIA3012	English Language for Academic Purpose	WF	
	BIS4012	English Language for Science and Technology*	WF	
	BIS5012	English Language for Research *	WF	
	UTE1012	Ethnic Relationship*	WU	2
	UBY1012	Malay Language for Communication (Bahasa Melayu Komunikasi)		
	AAD2262	Da'wah and Sirah Nabawiyah	WU	2
	UTS1012	Introduction to Islamic Science	WU	2
	SKJ1003	C Programming	WP	3
	SKJ2063	Database Management System	WP	3
	C#####	Co-Curriculum	WU	2
Total				18
II	BAA1022	Arabic Language (Practical)*	WF	2*
	BAA2022	Arabic Language (Communication)*	WF	
	BAA3022	Arabic Language (Science)*	WF	
	BAA4022	Arabic Language (Academic)*	WF	
	BAA5012	Arabic Language (Professional)*	WF	
	BIA1012	English Language for General Purpose*	WF	2*
	BIA2012	English Language for Communication*	WF	
	BIA3012	English Language for Academic Purpose	WF	
	BIS4012	English Language for Science and Technology	WF	
	BIS5012	English Language for Research*	WF	
	SKJ1013	JAVA Programming	WP	3
	SKJ2053	Discrete Mathematics	WP	3
	SKJ1033	Computer Digital Electronic	WP	3
	SKJ1063	Computer Networking	WP	3
	SMS1033	Calculus	WP	3
	Total			

III	BAA1022	Arabic Language (Practical)*	WF	2*
	BAA2022	Arabic Language (Communication)*	WF	
	BAA3022	Arabic Language (Science)*	WF	
	BAA4022	Arabic Language (Academic)*	WF	
	BAA5012	Arabic Language (Professional)*	WF	
	BIA1012	English Language for General Purpose*	WF	2*
	BIA2012	English Language for Communication*	WF	
	BIA3012	English Language for Academic Purposes	WF	
	BIS4012	English Language for Science and Technology*	WF	
	BIS5012	English Language for Research*	WF	
	SKJ2023	Data Structure and Algorithm	WP	3
	SKJ2153	Computer Architecture	WP	3
	SMG2023	Linear Algebra	WP	3
	UTD1022	Akidah and Tasawwuf	WU	2
	SMS1023	Statistic	WF	3
Total			18	
IV	UTF1032	Al-Madkhal Ila al-Fiqh al-Islami	WU	2
	UTK2012	Creative Thinking and Problem Solving	WU	2
	UTT1012	Islamic and Asia Civilization*	WU	2
	UTM1012	Malaysian Studies 3 (Pengajian Malaysia 3)		
	QQQ2101	Hafazan III	WF	1
	SKJ2083	Software Engineering	WP	3
	SKJ3113	Internet and Network Security	WP	3
	SKJ3103	Operating System	WP	3
	SKJ4273	Assembly Language @	EP	3
	SKJ4283	Knowledge Management		
Total			19	
V	QQQ1032	Al-Asas fi Quran wa Sunnah	WU	2
	SKJ4143	Application and Cryptography	WP	3
	SKJ4113	Information System Development	WP	3
	SKJ3153	Software Quality Assurance @	EP	3
	SKJ3133	Computer and Information Security Audit		
	SKJ3161	(UNIX/LINUX Laboratory and	EP	2
	SKJ4171	Ethical Hacking Laboratory) @		
	SKJ3182	Physical and Operational Security		
	SKJ3013	Advanced JAVA Programming	EP	3
	SKJ3173	Secure Web Programming		
	XXXXXX	Elective I	EB	2
Total			18	
VI	QQQ2111	Hafazan IV	WF	1
	UTU3012	Enterprenuership	WF	2
	SKM3013	Introduction to Graphic Design	WP	3
	SKJ4183	Information System Assurance	WP	3
	SKJ4272	Final Year Project I	WP	2
	SKJ4213	e-Commerce Security @	EP	3
	SKJ4223	e-Commerce Security Management		
	XXXXXX	Elective II	EB	2
Total			16	

VII	SKJ4301	Honours Seminar	WP	1
	SKJ4284	Final Year Project II	WP	4
	SKJ4343	Wireless Telecommunication Security @	EP	3
	SKJ4333	Mobile System Security		
	SKJ4193	Cyber Law @	EP	3
	SKJ4203	Information Security Law		
	SKJ4313	Disaster Recovery @	EP	3
	SKJ4323	Computer Forensic		
			Total	14
VIII	SKZ4999	Industrial Training	WF	9
				Total
TOTAL CREDIT				131

Note

- WU : Compulsory University Course
- WF : Faculty Course
- WP : Programme Course
- EF : Elective Course
- EB : Free Elective

For International student:

*Ethnic Relationship will be replaced with UBY1012 Malay Language for Communication course

*Asian and Islamic Civilization will be replaced with UTM1012 Malaysian Studies 3.