

Bachelor of Science (Honours) Bioinformatics - June 2012 Intake																			
	Beta Level						Gamma Level						Delta Level						
	Trimester 1	CH	Trimester 2	CH	Trimester 3	CH	Trimester 1	CH	Trimester 2	CH	Trimester 3	CH	Trimester 1	CH	Trimester 2	CH	Trimester 3	CH	Total
Core	Mathematical Techniques I	3	Computer Programming II	3			Data Structures & Algorithms	3	Introduction to Molecular Biology	3			Project I	4	Project II	4			20
	Computer Programming I	3	Database Systems	3			Systems Analysis & Design	3	Probability and Bio-Statistics	3			Introductory Course in Pharmacology	3					15
	Basic Medical Microbiology	3	Data Communications & Networking	4			Database Design & Management	3	Introduction to Human Pathology	3			Legal, Moral & Ethical Issues in Life Sciences	3					16
	Biochemistry I	3	Anatomy & Physiology of Major Organ Systems	3			Mathematical Techniques II	3	Basic Human Genetics	3									12
	Cell Biology	3	Biochemistry II	3															6
Major							Programming for Bioinformatics I	3	Programming for Bioinformatics II	3			Algorithms in Bioinformatics	3	Module Development in Bioinformatics	3			12
							Pattern Recogniton	3					Introduction to Molecular Cloning	3	Data Mining & Machine Learning Systems	3			9
													High Performance Bioinformatics Computing	3					3
Industrial Training											Industrial Training	6						6	
Elective														Elective*	3			3	
Arts and Humanities					Contemporary Management & Entrepreneurship	4											*Bahasa Kebangsaan A/B or Foreign Language	3	7
					Malaysian Studies	3											Islamic Studies/Moral Studies	3	6
					Co-curriculum	2											Workplace Communication	3	5
<b>Total Subject</b>	5		5		3		6		5		1		5		5		3		38
<b>Total Credit</b>		15		16		9		18		15		6		16		16		9	120

\*Elective subject is to be selected from the major subject from any FIST programmes

\*Malaysians who have fulfilled the Bahasa Malaysia requirement (either having passed Bahasa Malaysia with a credit at SPM level; or having passed the MPW2113 Bahasa Kebangsaan A during FOSEE/Diploma or other previous studies) shall be required take a 3CH foreign language subject. They shall only take a foreign language course which is not their native language and they have no formal education in. International students are to choose a foreign language which is not their native language and which they have no formal education in but they are highly encouraged to take up MPW2123 - Bahasa Kebangsaan B.