

Bachelor of Science (Honours) Bio-Informatics - October 2010 Intake

	Beta Level						Gamma Level						Delta Level						TOTAL	
	Trimester 1		Trimester 2		Trimester 3		Trimester 1		Trimester 2		Trimester 3		Trimester 1		Trimester 2		Trimester 3			
	CH		CH		CH		CH		CH		CH		CH		CH		CH			
	T2 June Intake		T3 June Intake		T1 June Intake		T2 June Intake		T3 June Intake		T1 June Intake		T2 June Intake		T3 June Intake		T1 June Intake			
Core	Mathematical Techniques I	3			Mathematical Techniques II	3	Data Structures & Algorithms	3			Introductory Course in Pharmacology	3	Project I	4			Project II	4	20	
	Computer Programming I	3			Computer Programming II	3	Biochemistry II	3			System Analysis & Design	3	Database Design & Management	3			Legal, Moral & Ethical Issues in Life Sciences	3	18	
	Database Systems	3			Biochemistry I	3	Probability & Bio-Statistics	3					Introduction to Human Pathology	3					12	
	Data Communications & Networking	4			Basic Medical Microbiology	3	Introduction to Molecular Biology	3												10
	Anatomy & Physiology of Major Organ Systems	3			Cell Biology	3	Basic Human Genetics	3												9
Major					Programming in Bio-Informatics I	3	Programming in Bio-Informatics II	3			Algorithms in Bio-Informatics	3	Pattern Recognition	3					12	
											Introduction to Molecular Cloning	3	Module Development in Bio-Informatics	3			Data Mining & Machine Learning Systems	3	9	
													High Performance Bio-Informatics Computing	3					3	
Industrial Training													Industrial Training	6				6		
Elective																	Elective*	3	3	
Humanities	Workplace Communication	3								Malaysian Studies	3	Islamic Studies/ Moral Studies	3				Co-curriculum	2	11	
										Contemporary Management & Entrepreneurship	4	*Bahasa Kebangsaan A/B or Foreign Language	3						7	
Total Courses	6		0		6		6		2		6		6		1		5		38	
Total Credits		19		0		18		18		7		18		19		6		15	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.