

Bachelor of Science (Honours) Bio-Informatics - June 2011 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				
	Core	Mathematical Techniques I	3	Computer Programming II	3			Data Structures & Algorithms	3	Introduction to Molecular Biology	3			Introductory Course in Pharmacology	3		Project II	4	
	Computer Programming I	3	Biochemistry II	3			Systems Analysis & Design	3	Probability and Bio-Statistics	3			Project I	4	Legal, Moral & Ethical Issues in Life Sciences	3			19
	Database Systems	3	Basic Human Genetics	3			Basic Medical Microbiology	3	Introduction to Human Pathology	3									12
	Biochemistry I	3	Anatomy & Physiology of Major Organ Systems	3			Database Design & Management	3											9
	Cell Biology	3	Data Communications & Networking	4			Mathematical Techniques II	3											10
Major							Programming for Bio-Informatics I	3	Programming for Bio-Informatics II	3			Algorithms in Bio-Informatics	3	Module Development in Bioinformatics	3			12
									Pattern Recogniton	3			Introduction to Molecular Cloning	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
					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
Total Subject	5		5		3		6		5		1		5		5		3		38
Total Credit		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.