

Bachelor of Science (Honours) Bioinformatics - October 2012 Intake																			
	Beta Level			Gamma Level			Delta Level			TOTAL									
	Trimester 1	CH	Trimester 2	CH	Trimester 3	CH	Trimester 2	CH	Trimester 3		CH	Trimester 2	CH	Trimester 3	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	Introduction to Human Pathology	3			Database Design & Management	3	18
	Data Communications & Networking	4			Biochemistry I	3	Probability & Bio-Statistics	3									Legal, Moral & Ethical Issues in Life Sciences	3	12
	Database Systems	3			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 for Bioinformatics I	3	Programming for Bioinformatics II	3			Algorithms in Bioinformatics	3	Module Development in Bioinformatics	3					12
											Introduction to Molecular Cloning	3	High Performance Bioinformatics Computing	3					6
											Pattern Recognition	3	Data Mining & Machine Learning Systems	3					6
Industrial Training													Industrial Training	6				6	
Elective																	Elective*	3	3
Arts & 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
Total Subject	5		3		6		6		3		5		5		1		4		38
Total Credit		16		9		18		18		9		15		16		6		13	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.