

Bachelor of Science (Honours) Bioinformatics - February 2012 Intake

	Beta Level						Gamma Level						Delta Level						Total
	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	
	T3 June Intake		T1 June Intake		T2 June Intake		T3 June Intake		T1 June Intake		T2 June Intake		T3 June Intake		T1 June Intake		T2 June Intake		
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	19
			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 Recognition	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
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	3		5		5		3		6		5		1		5		5		38
Total Credit		9		15		16		9		18		15		6		16		16	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.*