

Bachelor of Science (Honours) Bio-Informatics - June 2010

	Beta Level			Gamma Level			Delta Level			Total
	Trimester 1 (L)	Trimester 2 (L)	Trimester 3 (S)	Trimester 1 (L)	Trimester 2 (L)	Trimester 3 (S)	Trimester 1 (L)	Trimester 2 (L)	Trimester 3 (S)	
	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	Mathematical Techniques II 3		Database Design & Management 3						9
	Cell Biology 3	Anatomy & Physiology of Major Organ Systems 3								6
		Data Communications & Networking 4								4
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	Bahasa Kebangsaan A/B or Foreign Language 3			Islamic Studies/ Moral Studies 3	Workplace Communication 3		Co-curriculum 2		Malaysian Studies 3	12
								Contemporary Management & Entrepreneurship 4		6
Total Subject	6	6		6	6	1	6	5	2	38
Total Credit	18	19		18	18	6	18	16	7	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.