

Bachelor of Science (Honours) Bioinformatics - October 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		
	CH	CH	CH	CH	CH	CH	CH	CH	CH	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	Introduction to Human Pathology	3			Database Design & Management	3	18
	Database Systems	3			Biochemistry I	3	Probability & Bio-Statistics	3									Legal, Moral & Ethical Issues in Life Sciences	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 for Bioinformatics I	3	Programming for Bioinformatics II	3			Algorithms in Bioinformatics	3	Pattern Recognition	3			Data Mining & Machine Learning Systems	3	15
											Introduction to Molecular Cloning	3	Module Development in Bioinformatics	3					6
													High Performance Bioinformatics 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
Arts & Humanities			Malaysian Studies	3							Islamic Studies/ Moral Studies	3							6
			Co-curriculum	2							Workplace Communication	3							5
Total Courses	5		3		6		6		3		5		5		1		4		38
Total Credits		16		9		18		18		9		15		16		6		13	120

*Elective subject is to be selected from the major subject from any FIST programmes

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.