

Bachelor of Science (Honours) Bioinformatics - October 2013 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		
	T2 June Intake	CH	T3 June Intake	CH	T1 June Intake	CH	T2 June Intake	CH	T3 June Intake	CH	T1 June Intake	CH	T2 June Intake	CH	T3 June Intake	CH	T1 June Intake	CH	
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 & Biostatistics	3									Legal, Moral & Ethical Issues in Life Sciences	3	13
	Database Systems	3			Basic Medical Microbiology	3	Introduction to Molecular Biology	3											9
	Anatomy & Physiology of Major Organ Systems	3			Cell Biology	3	Basic Human Genetics	3											9
Major					Bioinformatics Programming I	3	Bioinformatics Programming II	3			Bioinformatics Algorithms I	3	Bioinformatics Algorithms II	3					12
													Parallel Computing	3					3
											Pattern Recognition	3	Data Mining & Machine Learning Systems	3					6
Industrial Training													Industrial Training	6				6	
Elective										Elective 1*	3	Elective 2*	3				Elective 3*	3	9
																	Elective 4*	3	3
Arts & Humanities			Business & Entrepreneurship in Malaysia	3			Bahasa Melayu Komunikasi 2/Tamadun Islam dan Tamadun	3											6
			Bahasa Kebangsaan A or Foreign Language	3			Pengajian Malaysia 3/Hubungan Etnik	3											6
			Co-Curriculum	2															2
Total Subject	5		3		6		6		2		5		6		1		5		39
Total Credit		16		8		18		18		6		15		19		6		16	122

Elective subjects are to be selected from the following list:

- | | |
|--------------------------------------|--------------------------------------|
| Computer security | Marketing and e-commerce |
| Computer Intelligence I | Human computer interaction |
| Management information system | Computer Graphic |
| Introduction to knowledge management | Password Authentication & Biometrics |

Arts and Humanities Subjects:

Malaysian students with a credit in SPM Bahasa Melayu are to take the following subjects:

- (1) Hubungan Etnik (2) Tamadun Islam dan Tamadun Asia (3) Foreign Language (not native language) (4) Business and Entrepreneurship in Malaysia (5) Co-Curriculum

Malaysian students without a credit in SPM Bahasa Melayu are to take the following subjects:

- (1) Hubungan Etnik (2) Tamadun Islam dan Tamadun Asia (3) Bahasa Kebangsaan A (4) Business and Entrepreneurship in Malaysia (5) Co-Curriculum

International students are to take the following subjects:

- (1) Pengajian Malaysia 3 (2) Bahasa Melayu Komunikasi 2 (3) Foreign Language (not native language) (4) Business and Entrepreneurship in Malaysia (5) Co-Curriculum