

Bachelor of Science (Honours) Bioinformatics - March 2014 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			Project I	4	Project II	4	20
			Computer Programming I	3	Biochemistry II	3			Systems Analysis & Design	3	Probability and Biostatistics	3			Introductory Course in Pharmacology	3			15
			Basic Medical Microbiology	3	Database Systems	3			Database Design & Management	3	Introduction to Human Pathology	3			Legal, Moral & Ethical Issues in Life Sciences	3			15
			Biochemistry I	3	Anatomy & Physiology of Major Organ Systems	3			Mathematical Techniques II	3	Basic Human Genetics	3							12
			Cell Biology	3	Data Communications & Networking	4													7
Major									Bioinformatics Programming I	3	Bioinformatics Programming II	3			Bioinformatics Algorithms I	3	Bioinformatics Algorithms II	3	12
									Pattern Recognition	3							Data Mining & Machine Learning Systems	3	6
																	Parallel Computing	3	3
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 Asia	3											6
	Bahasa Kebangsaan A or Foreign Language	3					Pengajian Malaysia 3/Hubungan Etnik	3											6
	Co-Curriculum	2																	2
<b>Total Subject</b>	<b>3</b>		<b>5</b>		<b>5</b>		<b>2</b>		<b>6</b>		<b>6</b>		<b>1</b>		<b>5</b>		<b>6</b>		<b>39</b>
<b>Total Credit</b>		<b>8</b>		<b>15</b>		<b>16</b>		<b>6</b>		<b>18</b>		<b>18</b>		<b>6</b>		<b>16</b>		<b>19</b>	<b>122</b>

**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