

## Bachelor of Science (Hons) Bioinformatics - March 2015 Intake

	Beta Level						Gamma Level						Delta Level						TOTAL	
	Beta Level	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			
<b>Common Core</b>			TMA1111 Mathematical Techniques	4					TDS2111 Data Structures and Algorithms	3	TMA1211 Discrete Mathematics and Probability	4							11	
			TCP1121 Computer Programming	4	TDC1231 Data Communications and Networking	4			TOS1141 Operating Systems	3									11	
			TDB1131 Database Systems	3	TAO1221 Computer Architecture and Organisation	4			TSAZ131 System Analysis and Design	3									10	
<b>Specialisation Core</b>			HCB1011 Cell Biology	3	HBC1021 Biochemistry II	3			HPB2021 Bioinformatics Programming II	3	TDB2121 Database Design and Management	3			HRD3011 Project I	4	HRD3011 Project II	4	20	
			HBC1011 Biochemistry I	3	HPB2011 Bioinformatics Programming I	3			HAP1011 Human Anatomy and Physiology	3	HPB2031 Bioinformatics Algorithms I	3			TMM3341 Data Mining and Machine Learning Systems	3	HPC2011 Introductory course in Pharmacology	3	18	
					HMM1011 Basic Microbiology	3					HPB3021 Parallel Computing	3			HPB3011 Bioinformatics Algorithms II	3	HLP3011 Legal, Moral and Ethical Issues in Life Science	3	12	
											HG1011 Basic Human Genetics	3			HMB2011 Introduction to Molecular Biology	3			6	
<b>Industrial Training</b>													HIT3011 Industrial Training	6				6		
<b>Elective</b>							Elective 1	3							Elective 2	3	Elective 3	3	9	
																	Elective 4	3	3	
<b>Arts and Humanities</b>	MPU3343 Business & Entrepreneurship in Malaysia	3					MPU3143/ MPU3123 Bahasa Melayu Komunikasi 2 / Tamadun Islam dan Tamadun Asia	3											6	
	MPU3201/ MPU32XX Bahasa Kebangsaan A or Foreign Language	3					MPU3173/ MPU3113 Pengajian Malaysia 3/ Hubungan Etnik	3											6	
	MPU34XX Co-Curriculum	2																	2	
<b>Total Subjects</b>	3		5		5		3		5		5		1		5		5		37	
<b>Total Credits</b>		8		17		17		9		15		16		6		16		16		120

### Elective subjects are to be selected from the following list:

TCS2251	Computer Security	HPT2021	Introduction to Human Pathology
TCI3121	Computational Intelligence	TWT2231	Web Techniques and Application
THI2211	Human Computer Interaction	TCC3141	Cloud Computing
TCS2221	Computer Graphics	TSD2241	Information Systems Development
TPR2251	Pattern Recognition	TOB2221	Organisational Behaviour

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