

## Bachelor of Science (Hons) Bioinformatics - October 2014 Intake

OCT	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		
<b>Common Core</b>	TMA1211 Discrete Mathematics and Probability	4			TMA1111 Mathematical Techniques	4				TDS2111 Data Structures and Algorithms	3								11	
	TDC1231 Data Communications and Networking	4			TCP1121 Computer Programming	4				TSA2131 System Analysis and Design	3								11	
	TAO1221 Computer Architecture and Organisation	4			TDB1131 Database Systems	3													7	
					TOS1141 Operating Systems	3													3	
<b>Specialisation Core</b>	HHG1011 Basic Human Genetics	3			HCB1011 Cell Biology	3				HPB2021 Bioinformatics Programming II	3			HRD3011 Project I	4			HRD3011 Project II	4	20
	HMM1011 Basic Microbiology	3			HBC1021 Biochemistry I	3				HAP1011 Human Anatomy and Physiology	3			HPC2011 Introductory course in Pharmacology	3			TMM3341 Data Mining and Machine Learning Systems	3	18
										HMB2011 Introduction to Molecular Biology	3			HPB2031 Bioinformatics Algorithms I	3			HPB3011 Bioinformatics Algorithms II	3	12
										TDB2121 Database Design and Management	3				HPB3021 Parallel Computing	3				6
<b>Industrial Training</b>														HIT3011 Industrial Training	6				6	
<b>Elective</b>								Elective 1	3	Elective 2	3			Elective 3	3			Elective 4	3	12
<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>	5		3		6			5		1			5			3		4		37
<b>Total Credits</b>		18		8		20		15		9		15		16		6		13		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