Bachelor of Science (Honours) Bioinformatics - June 2017 Intake

	Beta Level						Gamma Level						Delta Level						
	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	TOTAL
Common Core	TMA1111 Mathematical Techniques	4	TMA1211 Discrete Mathematics and Probability	4			TDS2111 Data Structures and Algorithms	3											11
	TCP1121 Computer Programming	4	TAO1221 Computer Architecture and Organisation	4			TOS1141 Operating Systems	3											11
	TDB1131 Database Systems	3	TDC1231 Data Communications and Networking	4			TSA2131 System Analysis and Design	3											10
Specialisation Core	HCB1011 Cell Biology	3	HPB2011 Bioinformatics Programming I	3			HPB2021 Bioinformatics Programming II	3	HPB2031 Bioinformatics Algorithms I	3			HRD3011 Project I	4	HRD3011 Project II	4			20
	HBC1011 Biochemistry I	3	HBC1021 Biochemistry II	3			HAP1011 Human Anatomy and Physiology	3	HPB3021 Parallel Computing	3			TMM3341 Data Mining and Machine Learning Systems	3	HPC2011 Introductory course in Pharmacology	3			18
							HHG1011 Basic Human Genetics	3					HPB3011 Bioinformatics Algorithms II	3	HLP3011 Legal, Moral and Ethical Issues in Life Sciences	3			9
							HMM1011 Basic Microbiology	3					HMB2011 Introduction to Molecular Biology	3					6
							TDB2121 Database Design and Management	3											6
Industrial Training											HIT3011 Industrial Training	6							6
Elective													Elective 1	3	Elective 2 and 3	6	Elective 4	3	12
Arts & Humanities			MPU3343 Business & Entrepreneurship in Malaysia	3													MPU3143/MPU3123 Bahasa Melayu Komunikasi 2 / Tamadun Islam dan Tamadun Asia	3	6
			MPU3201/MPU32XX Bahasa Kebangsaan A / Foreign Language	3													MPU3173/MPU3113 Pengajian Malaysia 3 / Hubungan Etnik	3	6
			MPU34XX Co-Curriculum	2															2
Total Subjects	5		5		3		5		5		1		5		5		3		37
Total Credits		17		18		8		15		15		6		16		16		9	120

*Elective subjects are subject to change by the faculty

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

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