

B.Sc (Hons) Bioinformatics

October 2015 Intake

CODE	SUBJECT	βYEAR			γYEAR			δYEAR			Pre-requisite
		T1	T2	T3	T1	T2	T3	T1	T2	T3	
<b>Common Core:</b>											
TMA1211	DISCRETE MATHEMATICS AND PROBABILITY	4									NONE
TDC1231	DATA COMMUNICATIONS AND NETWORKING	4									NONE
TAO1221	COMPUTER ARCHITECTURE AND ORGANISATION	4									NONE
TMA1111	MATHEMATICAL TECHNIQUES			4							NONE
TCP1121	COMPUTER PROGRAMMING			4							NONE
TDB1131	DATABASE SYSTEMS			3							NONE
TOS1141	OPERATING SYSTEMS			3							NONE
TDS2111	DATA STRUCTURES AND ALGORITHMS						3				TCP1121
TSA2131	SYSTEM ANALYSIS AND DESIGN						3				TDB1131
<b>Specialisation Core:</b>											
HHG1011	BASIC HUMAN GENETICS	3									NONE
HMM1011	BASIC MICROBIOLOGY	3									NONE
HBC1011	BIOCHEMISTRY I			3							NONE
HCB1011	CELL BIOLOGY			3							NONE
HBC1021	BIOCHEMISTRY II				3						HBC1011
HPB2011	BIOINFORMATICS PROGRAMMING I				3						TCP1121
HLP3011	LEGAL, MORAL AND ETHICAL ISSUES IN LIFE SCIENCES				3						NONE
TDB2121	DATABASE DESIGN AND MANAGEMENT				3						TDB1131
HPB2021	BIOINFORMATICS PROGRAMMING II						3				HPB2011
HAP1011	HUMAN ANATOMY AND PHYSIOLOGY						3				NONE
HMB2011	INTRODUCTION TO MOLECULAR BIOLOGY						3				HBC1011 & HCB1011
HPB2031	BIOINFORMATICS ALGORITHMS I							3			HPB2021
HRD3011	PROJECT I								4		COMPLETED 60 CH EXCLUDING ARTS AND HUMANITIES SUBJECTS
HPC2011	INTRODUCTORY COURSE IN PHARMACOLOGY							3			HAP1011 & HCB1011
HPB3021	PARALLEL COMPUTING							3			TDC1231
TDM3341	DATA MINING AND MACHINE LEARNING SYSTEMS								3		TMA1211
HPB3011	BIOINFORMATICS ALGORITHMS II								3		HPB2031 & TMA1211
HRD3011	PROJECT II									4	PROJECT I
<b>Industrial Training:</b>											
HIT3011	INDUSTRIAL TRAINING								6		COMPLETED 60CH EXCLUDING ART & HUMANITIES SUBJECTS
<b>Elective</b>											
	Elective 1				3						
	Elective 2					3					
	Elective 3							3			
	Elective 4									3	
<b>Arts and Humanities:</b>											
MPU3343	BUSINESS & ENTREPRENEURSHIP IN MALAYSIA		3								NONE
MPU3213/ MPU32XX	BAHASA KEBANGSAAN A or FOREIGN LANGUAGE		3								NONE
MPU34XX	CO-CURRICULUM		2								NONE
MPU3143/ MPU3123	BAHASA MELAYU KOMUNIKASI 2/ TAMADUN ISLAM DAN TAMADUN ASIA					3					NONE
MPU3173/ MPU3113	PENGAJIAN MALAYSIA 3/ HUBUNGAN ETNIK					3					NONE
<b>Total Credit Hour :: 120</b>											

\*\* Only for students who enter directly to Beta level.