

**B.Sc (Hons) Bioinformatics**

**For October 2011 Intake**

CODE	SUBJECT	YEAR			YEAR			YEAR			Requirement for Registration
		T1	T2	T3	T1	T2	T3	T1	T2	T3	
<b>Core:</b>											
TMT1171	MATHEMATICAL TECHNIQUES I	3									NONE
TCP1231	COMPUTER PROGRAMMING I	3									NONE
TDB2111	DATABASE SYSTEMS	3									NONE
TCE2311	DATA COMMUNICATIONS AND NETWORKING	4									NONE
HAP1019	ANATOMY AND PHYSIOLOGY OF MAJOR ORGAN SYSTEMS	3									NONE
TMT1181	MATHEMATICAL TECHNIQUES II			3							TMT1171
TCP1241	COMPUTER PROGRAMMING II			3							TCP1231
HBC1019	BIOCHEMISTRY I			3							NONE
HMM1019	BASIC MEDICAL MICROBIOLOGY			3							NONE
HCB1019	CELL BIOLOGY			3							NONE
TCS1011	DATA STRUCTURES AND ALGORITHMS				3						TCP1241
HBC1029	BIOCHEMISTRY II				3						HBC1019
HEM2019	PROBABILITY AND BIO-STATISTICS				3						TMT1171
HMB2019	INTRODUCTION TO MOLECULAR BIOLOGY				3						HBC1019 & HCB1019
HHG1019	BASIC HUMAN GENETICS				3						HCB1019
HPC2019	INTRODUCTORY COURSE IN PHARMACOLOGY						3				HAP1019 & HBC1029
TIS2211	SYSTEM ANALYSIS AND DESIGN						3				TCP1241
HRD3019	PROJECT I							4			COMPLETED 60 CH EXCLUDING ARTS AND HUMANITIES SUBJECTS
HPT2029	INTRODUCTION TO HUMAN PATHOLOGY							3			HAP1019 & HCB1019
HRD3019	PROJECT II								4		PROJECT 1
TDB2121	DATABASE DESIGN AND MANAGEMENT								3		TDB2111
HLP3019	LEGAL, MORAL AND ETHICAL ISSUES IN LIFE SCIENCES								3		NONE
<b>Major:</b>											
HPB2019	PROGRAMMING FOR BIOINFORMATICS I			3							NONE
HPB2029	PROGRAMMING FOR BIOINFORMATICS II				3						HPB2019
HPB2039	ALGORITHMS IN BIOINFORMATICS						3				HPB2029
HMB2029	INTRODUCTION TO MOLECULAR CLONNING						3				HMB2019
TPR3411	PATTERN RECOGNITION							3			TCP1241
HPB3019	MODULE DEVELOPMENT IN BIOINFORMATICS							3			HPB2038 & HEM2019
HPB3029	HIGH PERFORMANCE BIOINFORMATICS COMPUTING							3			ECP2056 OR TCE2311
TDM3341	DATA MINING AND MACHINE LEARNING SYSTEMS								3		HEM2019
<b>Industrial Training:</b>											
HIT3019	INDUSTRIAL TRAINING								6		COMPLETED 60CH EXCLUDING ART & HUMANITIES SUBJECTS
<b>Elective</b>											
XXXXXX	Elective						3				
<b>Arts and Humanities:</b>											
BCM2010	CONTEMPORARY MANAGEMENT & ENTREPRENEURSHIP		4								NONE
MPW2133	MALAYSIAN STUDIES		3								NONE
XXXXXX	CO-CURRICULUM		2								NONE
2113/MPW	BAHASA KEBANGSAAN A/B or FOREIGN LANGUAGE					3					NONE
2143/MPW	ISLAMIC STUDIES / MORAL STUDIES **					3					NONE
PWC1010	WORKPLACE COMMUNICATION					3					NONE
<b>Total Credit Hour :: 120</b>											