

**B.Sc (Hons) Bioinformatics**

For February 2012 Intake

CODE	SUBJECT	b YEAR			g YEAR			d 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
HBC1019	BIOCHEMISTRY I		3								NONE
HCB1019	CELL BIOLOGY		3								NONE
TCP1241	COMPUTER PROGRAMMING II			3							TCP1231
HBC1029	BIOCHEMISTRY II			3							HBC1019
HHG1019	BASIC HUMAN GENETICS			3							HCB1019
HAP1019	ANATOMY AND PHYSIOLOGY OF MAJOR ORGAN SYSTEM			3							NONE
TCE2311	DATA COMMUNICATIONS AND NETWORKING			4							NONE
TCS1011	DATA STRUCTURES AND ALGORITHMS					3					TCP1241
TIS2211	SYSTEM ANALYSIS AND DESIGN					3					TCP1241
HMM1019	BASIC MEDICAL MICROBIOLOGY					3					NONE
TDB2121	DATABASE DESIGN AND MANAGEMENT					3					TDB2111
TMT1181	MATHEMATICAL TECHNIQUES II					3					TMT1171
HMB2019	INTRODUCTION TO MOLECULAR BIOLOGY					3					HBC1019 & HCB1019
HEM2019	PROBABILITY AND BIO-STATISTICS					3					TMT1171
HPT2029	INTRODUCTION TO HUMAN PATHOLOGY					3					HAP1019 & HCB1019
HPC2019	INTRODUCTORY COURSE IN PHARMACOLOGY							3			HAP1019 & HBC1029
HRD3019	PROJECT I								4		COMPLETED 60 CH EXCLUDING ARTS AND HUMANITIES SUBJECTS
HRD3019	PROJECT II									4	PROJECT 1
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
TPR3411	PATTERN RECOGNITION						3				TCP1241
HPB2039	ALGORITHMS IN BIOINFORMATICS							3			HPB2029
HMB2029	INTRODUCTION TO MOLECULAR CLONNING							3			HMB2019
HPB3019	MODULE DEVELOPMENT IN BIOINFORMATICS								3		HPB2038 & HEM2019
TDM3341	DATA MINING AND MACHINE LEARNING SYSTEMS								3		HEM2019
HPB3029	HIGH PERFORMANCE BIOINFORMATICS COMPUTING								3		ECP2056 OR TCE2311
<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>											

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

