

B.Sc (Hons) Bioinformatics

For March 2013 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
HMM1019	BASIC MEDICAL MICROBIOLOGY		3								NONE
HBC1019	BIOCHEMISTRY I		3								NONE
HCB1019	CELL BIOLOGY		3								NONE
TCP1241	COMPUTER PROGRAMMING II			3							TCP1231
HBC1029	BIOCHEMISTRY II			3							HBC1019
TDB2111	DATABASE SYSTEMS			3							NONE
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						TDB2111
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
HHG1019	BASIC HUMAN GENETICS					3					HCB1019
HRD3019	PROJECT I								4		COMPLETED 60 CH EXCLUDING ARTS AND HUMANITIES SUBJECTS
HPC2019	INTRODUCTORY COURSE IN PHARMACOLOGY								3		HAP1019 & HCB1029
HLP3019	LEGAL, MORAL AND ETHICAL ISSUES IN LIFE SCIENCES								3		NONE
HRD3019	PROJECT II									4	PROJECT I

<b>Major:</b>											
HPB2019	PROGRAMMING FOR BIOINFORMATICS I				3						NONE
TPR3411	PATTERN RECOGNITION				3						TCP1241
HPB2029	PROGRAMMING FOR BIOINFORMATICS II					3					HPB2019
HPB2039	ALGORITHMS IN BIOINFORMATICS							3			HPB2029
HMB2029	INTRODUCTION TO MOLECULAR CLONING							3			HMB2019
HPB3019	MODULE DEVELOPMENT IN BIOINFORMATICS								3		HPB2039 & 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
V2113/MPW2	BAHASA KEBANGSAAN A/B or FOREIGN LANGUAGE				3						NONE
V2143/MPW2	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.