

B.Sc (Hons) Bioinformatics

For March 2015 Intake

CODE	SUBJECT	βYEAR			γYEAR			δYEAR			Pre-requisite
		T1	T2	T3	T1	T2	T3	T1	T2	T3	
Common Core:											
TMA1111	MATHEMATICAL TECHNIQUES		4								NONE
TCP1121	COMPUTER PROGRAMMING		4								NONE
TDB1131	DATABASE SYSTEMS		3								NONE
TDC1231	DATA COMMUNICATIONS AND NETWORKING			4							NONE
TAO1221	COMPUTER ARCHITECTURE AND ORGANISATION			4							NONE
TSA2131	SYSTEM ANALYSIS AND DESIGN					3					TDB1131
TDS2111	DATA STRUCTURES AND ALGORITHMS					3					TCP1121
TOS1141	OPERATING SYSTEMS					3					NONE
TMA1211	DISCRETE MATHEMATICS AND PROBABILITY						4				NONE
Specialisation Core:											
HBC1011	BIOCHEMISTRY I		3								NONE
HCB1011	CELL BIOLOGY		3								NONE
HBC1021	BIOCHEMISTRY II			3							HBC1011
HPB2011	BIOINFORMATICS PROGRAMMING I			3							TCP1121
HMM1011	BASIC MICROBIOLOGY			3							NONE
HPB2021	BIOINFORMATICS PROGRAMMING II					3					HPB2011
HAP1011	HUMAN ANATOMY AND PHYSIOLOGY					3					NONE
HPB2031	BIOINFORMATICS ALGORITHMS I						3				HPB2021
HPB3021	PARALLEL COMPUTING						3				TDC1231
HHG1011	BASIC HUMAN GENETICS						3				NONE
TDB2121	DATABASE DESIGN AND MANAGEMENT						3				TDB1131
HRD3011	PROJECT I								4		COMPLETED 60 CH EXCLUDING ARTS AND HUMANITIES SUBJECTS
TMM3341	DATA MINING AND MACHINE LEARNING SYSTEMS								3		TMA1211
HPB3011	BIOINFORMATICS ALGORITHMS II								3		HPB2031 & TMA1211
HMB2011	INTRODUCTION TO MOLECULAR BIOLOGY								3		HBC1011 & HCB1011
HRD3011	PROJECT II									4	PROJECT I
HPC2011	INTRODUCTORY COURSE IN PHARMACOLOGY									3	HAP1011 & HCB1011
HLP3011	LEGAL, MORAL AND ETHICAL ISSUES IN LIFE SCIENCES									3	NONE
Industrial Training:											
HIT3011	INDUSTRIAL TRAINING								6		COMPLETED 60CH EXCLUDING ART & HUMANITIES SUBJECTS
Elective											
	Elective 1				3						
	Elective 2								3		
	Elective 3									3	
	Elective 4									3	
Arts and Humanities:											
MPU3343	BUSINESS & ENTREPRENEURSHIP IN MALAYSIA	3									NONE
MPU3201/ 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
Total Credit Hour :: 120											

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