

B.Sc (Hons) Bioinformatics

For June 2016 Intake

CODE	SUBJECT	β YEAR			γ YEAR			δ YEAR			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
TMA1211	DISCRETE MATHEMATICS AND PROBABILITY		4								NONE
TDC1231	DATA COMMUNICATIONS AND NETWORKING		4								NONE
TAO1221	COMPUTER ARCHITECTURE AND ORGANISATION		4								NONE
TDS2111	DATA STRUCTURES AND ALGORITHMS				3						TCP1121
TOS1141	OPERATING SYSTEMS				3						NONE
TSA2131	SYSTEM ANALYSIS AND DESIGN				3						TDB1131
Specialisation Core:											
HBC1011	BIOCHEMISTRY I	3									NONE
HCB1011	CELL BIOLOGY	3									NONE
HBC1021	BIOCHEMISTRY II		3								HBC1011
HPB2011	BIOINFORMATICS PROGRAMMING I		3								TCP1121
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
HMM1011	BASIC MICROBIOLOGY					3					NONE
TDB2121	DATABASE DESIGN AND MANAGEMENT					3					TDB1131
HRD3011	PROJECT I							4			COMPLETED 60 CH EXCLUDING ARTS & HUMANITIES SUBJECTS
TDM3341	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.