

B.Sc (Hons) Bioinformatics

For June 2014 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 |
| 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 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.