

B.Sc (Hons) Bioinformatics

For June 2012 Intake

| CODE | SUBJECT | ®YEAR | | | ©YEAR | | | ™YEAR | | | Requirement for Registration |
|---------------------------------|--|-------|----|----|-------|----|----|-------|----|----|--|
| | | T1 | T2 | T3 | T1 | T2 | T3 | T1 | T2 | T3 | |
| Core: | | | | | | | | | | | |
| 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 |
| TDB2111 | DATABASE SYSTEMS | | 3 | | | | | | | | NONE |
| TCE2311 | DATA COMMUNICATIONS AND NETWORKING | | 4 | | | | | | | | NONE |
| HAP1019 | ANATOMY AND PHYSIOLOGY OF MAJOR ORGAN SYSTEMS | | 3 | | | | | | | | NONE |
| HBC1029 | BIOCHEMISTRY II | | 3 | | | | | | | | HBC1019 |
| 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 BIostatISTICS | | | | | 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 |
| Major: | | | | | | | | | | | |
| 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 |
| Industrial Training: | | | | | | | | | | | |
| HIT3019 | INDUSTRIAL TRAINING | | | | | | 6 | | | | COMPLETED 60CH EXCLUDING ART & HUMANITIES SUBJECTS |
| Elective | | | | | | | | | | | |
| XXXXXX | Elective | | | | | | | | 3 | | ACCORDING TO SUBJECT |
| Arts and Humanities: | | | | | | | | | | | |
| 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 |
| Total Credit Hour :: 120 | | | | | | | | | | | |

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