

PROGRAMME STRUCTURE

DIPLOMA IN BUILDING SERVICES ENGINEERING

| CLASSIFICATION | COURSE CODE | COURSE NAME | CREDIT VALUES | PRE REQUISITE/CO-REQUISITE |
|-------------------|-------------|--|---------------|----------------------------|
| SEMESTER 1 | | | | |
| Compulsory | MPU21032 | Penghayatan Etika dan Peradaban | 2 | |
| | DUE10012 | Communicative English 1 | 2 | |
| | MPU24XX1 | Sukan *** | 1 | |
| | MPU24XX1 | Unit Beruniform 1 *** | | |
| Common Core | DUW10022 | Occupational, Safety and Health for Engineering | 2 | |
| | DBS10012 | Engineering Science | 2 | |
| | DBM10013 | Engineering Mathematics 1 | 3 | |
| Discipline Core | DCB10012 | Construction and Materials | 2 | |
| | DCB10023 | Building Services Drawing & CAD | 3 | |
| TOTAL | | | 17 | |
| SEMESTER 2 | | | | |
| Compulsory | MPU22012 | Entrepreneurship | 2 | |
| | MPU23052 | Sains, Teknologi dan Kejuruteraan Dalam Islam* | 2 | |
| | MPU23042 | Nilai Masyarakat Malaysia ** | | |
| | MPU24XX1 | Kelab / Persatuan *** | 1 | MPU24XX1 |
| | MPU24XX1 | Unit Beruniform 2 | | |
| Common Core | DBM20023 | Engineering Mathematics 2 | 3 | DBM10013 |
| Discipline Core | DCB20032 | Building Services Practical 1 | 2 | |
| | DCB20042 | Building Electrical Services | 2 | |
| | DCB20053 | Plumbing Services | 3 | |
| | DCB20062 | Fluid Mechanics | 2 | |
| TOTAL | | | 17 | |
| SEMESTER 3 | | | | |
| Compulsory | DUE30022 | Communicative English 2 | 2 | DUE10012 |
| Discipline Core | DCB30072 | Building Services Practical 2 | 2 | |
| | DCB30082 | Electrical Machines and Telecommunication System | 2 | |
| | DCB30093 | Refrigeration Principles And Air Conditioning Technology | 3 | |
| | DCB30102 | Building Transportation | 2 | |
| | DCB30112 | Project Management | 2 | |
| | DCB30122 | Procurement for Building Services | 2 | |
| TOTAL | | | 15 | |

PROGRAMME STRUCTURE

DIPLOMA IN BUILDING SERVICES ENGINEERING

| CLASSIFICATION | COURSE CODE | COURSE NAME | CREDIT VALUES | PRE REQUISITE/CO-REQUISITE |
|---------------------------|-------------|------------------------------------|---------------|-------------------------------|
| SEMESTER 4 | | | | |
| Compulsory | DUE50032 | Communicative English 3 | 2 | DUE3022 |
| Discipline Core | DCB40132 | Building Services Practical 3 | 2 | |
| | DCB40142 | Fire Protection System | 2 | |
| | DCB40153 | Air Conditioning System Technology | 3 | DCB30093 |
| | DCB40162 | Lighting | 2 | |
| | DCB40172 | Environmental Science in Building | 2 | |
| | DCB40182 | Project For Building Services 1 | 2 | |
| Electives | | Electives 1 | 2 | |
| TOTAL | | | 17 | |
| SEMESTER 5 | | | | |
| Discipline Core | DCB50212 | Acoustic | 2 | |
| | DCB50222 | Building Services Control System | 2 | DCB30082 |
| | DCB50233 | Building Services Design | 3 | DCB40142, DCB40153 & DCB40162 |
| | DCB50242 | Building Maintenance Management | 2 | |
| | DCB50254 | Project For Building Services 2 | 4 | DCB40182 |
| | DCC50232 | Engineering in Society | 2 | |
| Electives | | Electives 2 | 2 | |
| TOTAL | | | 17 | |
| SEMESTER 6 | | | | |
| Industrial Training | DUT600610 | Engineering Industrial Training | 10 | |
| TOTAL | | | 10 | |
| TOTAL CREDIT VALUE | | | 93 | |

| ELECTIVE COURSE | | | | |
|-----------------------------------|----------|--|---|--|
| 1 | DCB40192 | Facilities Management | 2 | |
| 2 | DCB40202 | Building Services Audit and Inspection | | |
| 3 | DCC30082 | Industrialised building System (IBS) in Sustainable Construction | 2 | |
| 4 | DCC50242 | Building Information Modelling (BIM) | | |
| FREE ELECTIVES^a | | | | |
| 1 | DUD10012 | Design Thinking | 2 | |