

PROGRAMME STRUCTURE

DIPLOMA IN BUILDING SERVICES ENGINEERING

CLASSIFICATION	COURSE CODE	COURSE NAME	CONTACT HOURS				CREDIT VALUES	PRE-REQUISITE/CO-REQUISITE
			L	P	T	O		
SEMESTER 1								
Compulsory	MPU21032	Penghayatan Etika dan Peradaban	1	0	2	0	2	
	DUE10012	Communicative English 1	1	0	2	0	2	
	MPU24XX1	Sukan ***	0	2	0	0	1	
	MPU24XX1	Unit Beruniform 1 ***						
Common Core	DUW10022	Occupational, Safety and Health for Engineering	2	0	0	0	2	
	DBS10012	Engineering Science	2	1	0	0	2	
	DBM10013	Engineering Mathematics 1	2	0	2	0	3	
Discipline Core	DCB10012	Construction and Materials	2	0	0	0	2	
	DCB10023	Building Services Drawing & CAD	0	5	0	0	3	
TOTAL			24				17	
SEMESTER 2								
Compulsory	MPU22012	Entrepreneurship	1	0	2	0	2	
	MPU23052	Sains, Teknologi dan Kejuruteraan Dalam Islam*	1	0	2	0	2	
	MPU23042	Nilai Masyarakat Malaysia **						
	MPU24XX1	Kelab / Persatuan ***	0	2	0	0	1	MPU24XX1
	MPU24XX1	Unit Beruniform 2						
Common Core	DBM20023	Engineering Mathematics 2	2	0	2	0	3	DBM10013
Discipline Core	DCB20032	Building Services Practical 1	0	4	0	0	2	
	DCB20042	Building Electrical Services	2	0	1	0	2	
	DCB20053	Plumbing Services	3	0	0	0	3	
	DCB20062	Fluid Mechanics	2	0	1	0	2	
TOTAL			25				17	
SEMESTER 3								
Compulsory	DUE30022	Communicative English 2	1	0	2	0	2	DUE10012
Discipline Core	DCB30072	Building Services Practical 2	0	4	0	0	2	
	DCB30082	Electrical Machines and Telecommunication System	2	0	1	0	2	
	DCB30093	Refrigeration Principles And Air Conditioning Technology	3	0	0	0	3	
	DCB30102	Building Transportation	2	0	0	0	2	
	DCB30112	Project Management	2	1	0	0	2	
	DCB30122	Procurement for Building Services	2	0	1	0	2	
TOTAL			21				15	
SEMESTER 4								
Compulsory	DUE50032	Communicative English 3	1	0	2	0	2	DUE3022
Discipline Core	DCB40132	Building Services Practical 3	0	4	0	0	2	
	DCB40142	Fire Protection System	2	0	0	0	2	
	DCB40153	Air Conditioning System Technology	3	0	0	0	3	DCB30093
	DCB40162	Lighting	2	1	0	0	2	
	DCB40172	Environmental Science in Building	2	1	0	0	2	
	DCB40182	Project For Building Services 1	0	2	0	0	2	
Electives		Electives 1					2	
TOTAL			20				17	

SEMESTER 5									
Discipline Core	DCB50212	Acoustic	2	1	0	0	2		
	DCB50222	Building Services Control System	2	1	0	0	2	DCB30082	
	DCB50233	Building Services Design	0	6	0	0	3	DCB40142, DCB40153 & DCB40162	
	DCB50242	Building Maintenance Management	2	1	0	0	2		
	DCB50254	Project For Building Services 2	0	8	0	0	4	DCB40182	
	DCC50232	Engineering in Society	2	0	0	0	2		
Electives		Electives 2					2		
TOTAL			25				17		
SEMESTER 6									
Industrial Training	DUT600610	Engineering Industrial Training	0	0	0	0	10		
TOTAL			0				10		
TOTAL CREDIT VALUE							93		

ELECTIVE COURSE								
1	DCB40192	Facilities Management	2	0	0	0	2	
2	DCB40202	Building Services Audit and Inspection	1	2	0	0		
3	DCC30082	Industrialised building System (IBS) in Sustainable Construction	0	4	0	0	2	
4	DCC50242	Building Information Modelling (BIM)	0	4	0	0		

FREE ELECTIVES ^a								
1	DUD10012	Design Thinking	1	0	0	1	2	

	Total Credit	%
i. (a) Compulsory	14	15%
(b) Compulsory (Bahasa Kebangsaan A) ^b	2 ^b	0%
ii. Common Core	10	11%
iii. Discipline Core	55	59%
iv. Specialization	0	0%
Total Credit	79	
v. (a) Elective	4	4%
(b) Free Electives ^a	2a	0%
vi. Industrial Training	10	11%
Grand Total Credit	93	100%

Legend:

L : Lecture, P : Practical / Lab, T : Tutorial, O : Others

(The numbers indicated under L, P, T & O represent the contact hours per week, to be used as a guide for time table preparation)

*For Muslim Students

**For Non Muslim Students

Notes:

1. The minimum and maximum credit value of Electives must be referred to the programme standard or professional bodies.

2. Free Electives are courses which are not included in any programme structure but if taken, will contribute towards students' CGPA, provided that institutions adhere to the Jabatan Pendidikan Politeknik & Kolej Komuniti Free Electives Guidelines.

3. MPU22042 Bahasa Kebangsaan A is COMPULSORY for students who did not attain credit in Bahasa Melayu at Sijil Pelajaran Malaysia (SPM) level and will contribute to students' CGPA.

4. Co-curriculum pathways:

a. Path 1 : Sport and Club

b. Path 2 : Uniform Unit (Students are required to PASS Uniform Unit 1 as a prerequisite to Uniform Unit 2)