

PROGRAMME STRUCTURE

DIPLOMA IN CIVIL 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 & Health for Engineering	2	0	0	0	2	
	DBS10012	Engineering Science	2	1	0		2	
	DBM10013	Engineering Mathematics 1	2	0	2	0	3	
Discipline Core	DCC10012	Engineering Drawing and Computer Aided drafting (CAD)	0	4	0	0	2	
	DCC10022	Brickworks and Concrete Laboratory	0	3	0	0	2	
	DCC10032	Civil Engineering Material	2	0	0	0	2	
TOTAL			26				18	
SEMESTER 2								
Compulsory	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	DCC20042	Plumbing and Carpentry Workshop	0	3	0	0	2	
	DCC20053	Mechanic of Civil Engineering Structure	3	0	1	0	3	
	DCC20063	Engineering Survey	2	3	0	0	3	
	DCC20073	Contract and Estimating	3	0	1	0	3	
TOTAL			25				17	
SEMESTER 3								
Compulsory	DUE30022	Communicative English 2	1	0	2	0	2	DUE10012
	MPU22012	Entrepreneurship	1	0	2	0	2	
Discipline Core	DCC30082	Industrialised Building System (IBS) in Sustainable Construction	0	4	0	0	2	
	DCC30093	Geotechnical Engineering	3	0	1	0	3	
	DCC30103	Highway and Traffic Engineering	3	0	1	0	3	
	DCC30112	Geotechnical and Highway Engineering Laboratory	0	3	0	0	2	
	DCC30122	Fluids Mechanics	2	0	1	0	2	
TOTAL			24				16	
SEMESTER 4								
Compulsory	DUE50032	Communicative English 3	1	0	2	0	2	DUE30022
Discipline Core	DCC40132	Project Management and Practices	2	1	0	0	2	
	DCC40142	Steel Structure Design	2	1	0	0	2	DCC20053
	DCC40152	Water Supply and Waste Water Engineering	2	0	1	0	2	
	DCC40163	Theory of Structures	3	0	1	0	3	DCC20053
	DCC40172	Structure, Hydraulics and Water Quality Laboratory	0	3	0	0	2	
	DCC40181	Final Year Project 1	0	2	0	0	1	
Electives		Electives 1	0	4	0	0	2	
TOTAL			25				16	

SEMESTER 5								
Discipline Core	DCC50194	Final Year Project 2	0	8	0	0	4	DCC40081
	DCC50203	Reinforced Concrete Design	3	0	1	0	3	
	DCC50212	Hydrology	2	0	1	0	2	
	DCC50222	Hydraulics	2	0	1	0	2	DCC30122
	DCC50232	Engineering in Society	2	0	0	0	2	
Electives		Electives 2	2	0	0	0	2	
TOTAL			22				15	
SEMESTER 6								
Industrial Training	DUT600610	Industrial Training	0	0	0	0	10	
TOTAL			0				10	
TOTAL CREDIT VALUE							92	

ELECTIVE COURSE								
1	DCC50242	Building Information Modeling (BIM)	0	4	0	0	2	
2	DCC50252	Building Services	2	0	0	0	2	
3	DCC50262	Environmental Pollution and Control	2	0	0	0	2	

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	54	59%
iv. Specialization	0	0%
Total Credit	78	100%
v. (a) Elective	4	4%
(b) Free Electives ^a	2a	0%
vi. Industrial Training	10	11%
Grand Total Credit	92	200%

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. ^aFree 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. ^bMPU22042 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)