

STUDY PLAN

SCHOOL OF CIVIL ENGINEERING
 COLLEGE OF ENGINEERING, UNIVERSITI TEKNOLOGI MARA
 CODE **CEEC110**
 PROGRAMME **DIPLOMA IN CIVIL ENGINEERING**



CURRICULUM REVIEW SEPT 2021

ID : 8062
 (First intake Okt 2022)

Part	No	Code	Course	Credit Hours	Contact hours				Exam	Pre-requisite
					L	T	P	Total		Co-requisite*
Part 1	1	ELC121	INTEGRATED LANGUAGE SKILLS 1	3.0	3	0	0	3	NE	
	2	CTU101	FUNDAMENTALS OF ISLAM	2.0	2	0	0	2	E	
	3	HBU111	NATIONAL KESATRIA I	1.0	0	0	2	2		
	4	MAT183	CALCULUS I	3.0	3	1	0	4	E	
	5	PHY145	FUNDAMENTAL OF PHYSICS	3.0	2	1	2	5	E	
	6	ECM157	INTRODUCTION TO CIVIL ENGINEERING	1.0	1	1	0	2	E	
	7	ECM256	CIVIL ENGINEERING DRAWING	2.0	1	0	2	3	NE	
Total Credit Hours for Part 1				15.0						
Part 2	1	ELC151	INTEGRATED LANGUAGE SKILLS 2	3.0	3	0	0	3	NE	ELC121
	2	CTU152	VALUES AND CIVILIZATION	2.0	2	0	0	2	E	
	3	CSC128	FUNDAMENTALS OF COMPUTER PROBLEM SOLVING	3.0	3	0	2	5	E	
	4	HBU121	NATIONAL KESATRIA II	1.0	0	0	2	2		HBU111
	5	MAT235	CALCULUS II FOR ENGINEERS	3.0	3	1	0	4	E	MAT183
	6	ECS226	SOLID MECHANICS	3.0	3	1	0	4	E	PHY145
	7	ECG253	GEOLOGY	3.0	2	0	2	4	E	
Total Credit Hours for Part 2				18.0						
Part 3	1	ELC231	INTEGRATED LANGUAGE SKILLS 3	3.0	3	0	0	3	NE	ELC151
	2	HBU131	NATIONAL KESATRIA III	1.0	0	0	2	2		HBU121
	3	CTU211	SCIENCE & TECHNOLOGY IN ISLAM	2.0	2	0	0	2	E	
	4	ECG243	SOIL MECHANICS	3.0	3	1	0	4	E	
	5	ECW231	FLUID MECHANICS	3.0	3	1	0	4	E	PHY145
	6	ECS248	BASIC STRUCTURAL ANALYSIS	3.0	3	1	0	4	E	ECS226
Total Credit Hours for Part 3				15.0						
Part 4	1	ENT300	FUNDAMENTALS OF ENTREPRENEURSHIP	3.0	2	2	0	4	NE	
	2	ECW241	HYDRAULICS	3.0	3	1	0	4	E	ECW231
	3	ECM346	BUILDING SERVICES	2.0	1	0	2	3	E	
	4	ECS338	STRUCTURAL CONCRETE & STEEL DESIGN	3.0	3	1	0	4	E	ECS248
	5	ECS268	STRUCTURAL AND MATERIAL LABORATORY	1.0	0	0	2	2	NE	
	6	ECS246	CIVIL ENGINEERING MATERIALS	2.0	2	0	0	2	E	
	7	ECG263	SOIL ENGINEERING LABORATORY	1.0	0	0	2	2	NE	ECG243
	8	ECM367	PROJECT AND CONSTRUCTION MANAGEMENT	3.0	3	0	0	3	E	
Total Credit Hours for Part 4				18.0						
Part 5	1	ECG353	SOIL ENGINEERING	2.0	2	1	0	3	E	ECG243
	2	ECG345	SURVEYING	3.0	2	1	2	5	E	
	3	ECG344	HIGHWAY ENGINEERING	2.0	1	1	2	4	E	
	4	ECW331	WATER AND WASTE WATER ENGINEERING	3.0	3	0	0	3	E	
	5	ECW341	WATER ENGINEERING LABORATORY	1.0	0	0	2	2	NE	
	6	ECM366	CIVIL ENGINEERING QUANTITIES & ESTIMATION	3.0	3	0	0	3	E	
	7	ECS358	CIVIL ENGINEERING DESIGN PROJECT	4.0	1	0	6	7	NE	ECS248
Total Credit Hours for Part 5				18.0						
Part 6	1	ECM377	INDUSTRIAL TRAINING	9.0						
Total Credit Hours for Part 6				9.0						
TOTAL CREDIT HOURS				93.0						

