



LIST OF COURSES FOR DIPLOMA IN COMPUTER SCIENCE (DCS)

for matric no starting 123 and below

MQA COMPULSORY COURSES

NO	COURSE CODE	COURSE NAME	CREDIT HOURS	CONTACT HOURS	OFFERED BY	PRE-REQUISITE
1	MQA2233 OR	BAHASA KEBANGSAAN A (FOR MALAYSIAN)	3	3	CEL	
	MQA2232	BAHASA KEBANGSAAN B (FOR INTERNATIONAL)				
2	MQA1231	MALAYSIAN STUDIES	3	3	SOSS	
3	MQA1232 OR	ISLAMIC STUDIES (FOR MUSLIM)	3	3	SOSS	
	MQA2231	MORAL STUDIES (FOR NON MUSLIM)				

TOTAL CREDIT HOURS FOR MQA COMPULSORY COURSES = 9

COLLEGE COMPULSORY COURSES

NO	COURSE CODE	COURSE NAME	CREDIT HOURS	CONTACT HOURS	OFFERED BY	PRE-REQUISITE
1	CEL1231	INTERMEDIATE ENGLISH 1	3	3	CEL	
2	CEL1232	INTERMEDIATE ENGLISH 2	3	3	CEL	CEL1231
3	CEL2233	ADVANCED ENGLISH 1	3	3	CEL	CEL1232
4	CEL2234	ADVANCED ENGLISH 2	3	3	CEL	CEL2233
5	CEL3231	BUSINESS COMMUNICATION	3	3	CEL	CEL2234
6	ICD3221	IBADAH CAMP (FOR MUSLIM)	2		SOSS	FINAL SEMESTER
	ICD3222	INTERCULTURAL PROGRAM (FOR NON-MUSLIM)				

TOTAL CREDIT HOURS FOR COLLEGE COMPULSORY COURSES = 17

CORE COURSES

NO	COURSE CODE	COURSE NAME	CREDIT HOURS	CONTACT HOURS	OFFERED BY	PRE-REQUISITE
1	DCT1231	COMPUTER APPLICATION	3	4	SICT	
2	DCT1232	PC MAINTENANCE & SUPPORT	3	3	SICT	
3	DCS1231	COMPUTER ORGANIZATION & ARCHITECTURE	3	3	SICT	
4	DCT1233	INTERNET APPLICATION	3	4	SICT	
5	DCT1234	STRUCTURED PROGRAMMING	3	4	SICT	DCT1231
6	DCT1235	SYSTEM ANALYSIS & DESIGN	3	3	SICT	
7	DCS2231	OPERATING SYSTEM	3	3	SICT	DCS1231
8	DCT2231	DATA STRUCTURE & ALGORITHM	3	4	SICT	DCT1234
9	DCT2232	INTRODUCTION TO DATABASE MANAGEMENT SYSTEM	3	4	SICT	DCT1235
10	DCT2233	PROGRAMMING CONCEPT & DESIGN	3	3	SICT	
11	DCT2234	MULTIMEDIA TECHNOLOGY & DESIGN	3	4	SICT	
12	DCS2232	HUMAN COMPUTER INTERACTION	3	3	SICT	
13	DCT2235	DATA COMMUNICATION & NETWORKING	3	3	SICT	
14	DCS2233	OBJECT ORIENTED PROGRAMMING	3	4	SICT	DCT2231
15	DCS2234	INTRODUCTION TO DISCRETE MATHEMATICS	3	3	SICT	
16	DCS3231	INTRODUCTION TO CALCULUS	3	3	SICT	
17	DIT3232	TECHNOPRENEURSHIP	3	3	SOM	
18	DCS3233	SOFTWARE ENGINEERING	3	3	SICT	DCT1235
19	SOS2231	ETHICS IN DAILY LIFE	3	3	SOSS	
20	DCT3231	PRACTICAL TRAINING	3		SICT	COMPLETE ALL

TOTAL CREDIT HOURS FOR CORE COMPULSORY COURSES = 60

ELECTIVE COURSES - TO COMPLETE ONLY TWO (2) COURSES

NO	COURSE CODE	COURSE NAME	CREDIT HOURS	CONTACT HOURS	OFFERED BY	PRE-REQUISITE
1	DEC3231	COMPUTER GRAPHICS	3	4	SICT	
2	DEC3236	WEB BASED PROGRAMMING	3	4	SICT	DCT1233, DCT2232
3	DEC3233	INTRODUCTION TO E-COMMERCE	3	3	SICT	
4	DEC3234	PRINCIPLES & PRACTICE OF MANAGEMENT	3	3	SOM	
5	MAN3231	INTRODUCTION TO MANDARIN LANGUAGE	3	3	CEL	
6	ARB1231 OR	INTRODUCTION TO ARABIC LANGUAGE FOR BEGINNERS	3	3	CEL	
	ARB1232	INTRODUCTION TO ARABIC LANGUAGE				
7	DEC3232	NETWORK SECURITY	3	3	SICT	DCT2235

TOTAL CREDIT HOURS FOR ELECTIVES= 6

TOTAL CREDIT HOURS TO COMPLETE PROGRAMME = 92

***Note:** Please be informed that student with **Matric No. 113 and above** who had been exempted from taking 'Bahasa Kebangsaan A' or/and Intermediate English 1, you **are required to replace the course** with any of elective course under your programme to earn 3 or/and 6 credit hours for the graduate requirements.

SCHOOL OF INFORMATION COMMUNICATION TECHNOLOGY

STUDY PLAN FOR DIPLOMA IN COMPUTER SCIENCE

YEAR 1			YEAR 2			YEAR 3		Total Credit hours Completed:	
Semester 1	Semester 2	Semester 3	Semester 1	Semester 2	Semester 3	Semester 1	Semester 2		
INTERMEDIATE ENGLISH 1 CEL 1231 College Compulsory Course 3 credit hours	INTERMEDIATE ENGLISH 2 CEL 1232 College Compulsory Course 3 credit hours Pre : CEL1231	ADVANCED ENGLISH 1 CEL 2233 College Compulsory Course 3 credit hours Pre : CEL1232	ADVANCED ENGLISH 2 CEL 2234 College Compulsory Course 3 credit hours Pre : CEL2233	BUSINESS COMMUNICATION CEL 3231 College Compulsory Course 3 credit hours Pre : CEL2234	ETHICS IN DAILY LIFE SOS2231 Core Course 3 credit hours	INTRODUCTION TO CALCULUS DCS 3231 Core Course 3 credit hours	PRACTICAL TRAINING DCT3231 Core Course 3 credit hours		
MALAYSIAN STUDIES MQA 1231 MQA Course 3 credit hours	ISLAMIC STUDIES (MQA 1232) OR MORAL STUDIES (MQA 2231) MQA Compulsory Course 3 credit hours Class	BAHASA KEBANGSAAN A (MQA2233) OR BAHASA KEBANGSAAN B (MQA2232) MQA Compulsory Course 3 credit hours Class	OPERATING SYSTEM DCS 2231 Core Course 3 credit hours Pre: DCS 1231	MULTIMEDIA TECHNOLOGY & DESIGN DCT 2234 Core Course 3 credit hours	INTRODUCTION TO DISCRETE MATHEMATICS DCS 2234 Core Course 3 credit hours	TECHNOPRENEURSHIP DCT3232 Core Course 3 credit hours	IBADAH CAMP (ICD 3221) OR INTERCULTURAL PROGRAM (ICD3222) College Compulsory Course 2 credit hours		
COMPUTER APPLICATION DCT 1231 Core Course 3 credit hours	COMPUTER ORGANIZATION & ARCHITECTURE DCS 1231 Core Course 3 credit hours	SYSTEM ANALYSIS & DESIGN DCT 1235 Core Course 3 credit hours	INTRODUCTION TO DATABASE MANAGEMENT SYSTEM DCT 2232 Core Course 3 credit hours Pre: DCT1235	HUMAN-COMPUTER INTERACTION DCS 2232 Core Course 3 credit hours	SOFTWARE ENGINEERING DCS 3233 Core Course 3 credit hours Pre:DCT 1235				
PC MAINTENANCE & SUPPORT DCT 1232 Core Course 3 credit hours	INTERNET APPLICATION DCT 1233 Core Course 3 credit hours		PROGRAMMING CONCEPT & DESIGN DCT 2233 Core Course 3 credit hours	DATA COMMUNICATION & NETWORKING DCT 2235 Core Course 3 credit hours	ELECTIVE Core Course 3 credit hours				
	STRUCTURED PROGRAMMING DCT 1234 Core Course 3 credit hours Pre : DCT1231		DATA STRUCTURE & ALGORITHM DCT 2231 Core Course 3 credit hours Pre: DCT 1234	OBJECT ORIENTED PROGRAMMING DCS 2233 Core Course 3 credit hours Pre:DCT 2231	ELECTIVE Core Course 3 credit hours				
Credit hours /Sem	12	15	9	15	15	6	15	5	92