



LIST OF COURSES FOR DIPLOMA IN COMPUTER SCIENCE (DCS)
for matric no starting 131 and above

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	NONE
	MQA2232	BAHASA KEBANGSAAN B (FOR INTERNATIONAL)				
2	MQA1231	MALAYSIAN STUDIES	3	3	SOSS	NONE
3	MQA1232 OR	ISLAMIC STUDIES (FOR MUSLIM)	3	3	SOSS	NONE
	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	CES1231	ENGLISH FOR INTERMEDIATE STUDIES	3	3	CEL	NONE
2	CES1232	ENGLISH FOR ADVANCED STUDIES	3	3	CEL	CES1231
3	CES2233	BUSINESS COMMUNICATION	3	3	CEL	CES1232
4	ICD3221	IBADAH CAMP (FOR MUSLIM)	2	-	SOSS	FINAL SEMESTER
	ICD3222	INTERCULTURAL PROGRAM (FOR NON MUSLIM)				

TOTAL CREDIT HOURS FOR COLLEGE COMPULSORY COURSES = 11

CORE COURSES

NO	COURSE CODE	COURSE NAME	CREDIT HOURS	CONTACT HOURS	OFFERED BY	PRE-REQUISITE
1	DCS1231	COMPUTER ORGANIZATION & ARCHITECTURE	3	3	SICT	
2	DCS2231	OPERATING SYSTEM	3	3	SICT	DCS1231
3	DCS2232	HUMAN COMPUTER INTERACTION	3	3	SICT	DCT1235
4	DCS2234	INTRODUCTION TO DISCRETE MATHEMATICS	3	3	SICT	
5	DCS2235	PRINCIPLES OF ARTIFICIAL INTELLIGENCE	3	3	SICT	DCS2234
6	DCS2236	DATA & NETWORKING TECHNOLOGY	3	3	SICT	DCS2234
7	DCS2237	COMPUTER GRAPHICS	3	4	SICT	
8	DCS2243	OBJECT ORIENTED PROGRAMMING	4	4	SICT	DCT1234
9	DCS3231	INTRODUCTION TO CALCULUS	3	3	SICT	
10	DCS3233	SOFTWARE ENGINEERING	3	3	SICT	DCT1235
11	DCT1234	STRUCTURED PROGRAMMING	3	3	SICT	
12	DCT1235	SYSTEM ANALYSIS & DESIGN	3	3	SICT	DCT2232
13	DCT1236	INFORMATION TECHNOLOGY FUNDAMENTALS	3	4	SICT	
14	DCT2231	DATA STRUCTURE & ALGORITHM	3	4	SICT	DCT1234 (SP)
15	DCT2232	INTRODUCTION TO DATABASE MANAGEMENT SYSTEM	3	4	SICT	
16	DCT2241	WEB APPLICATION DEVELOPMENT	4	4	SICT	DCT2232
17	DCT3241	FINAL PROJECT	4	-	SICT	COMPLETED 78 CREDIT
18	DCT3242	PRACTICAL TRAINING	4	-	SICT	COMPLETED 88 CREDIT
19	DIT3232	TECHNOPRENEURSHIP	3	3	SOM	
20	SOS 2231	ETHICS IN DAILY LIFE	3	3	SOSS	

TOTAL CREDIT HOURS FOR CORE COMPULSORY COURSES = 64

ELECTIVE COURSES - TO CHOOSE ONE CONCENTRATION EITHER A, B OR C

ELECTIVE A - SOFTWARE ENGINEERING

NO	COURSE CODE	COURSE NAME	CREDIT HOURS	CONTACT HOURS	OFFERED BY	PRE-REQUISITE
1	DES3241	ADVANCED PROGRAMMING	4	4	SICT	DCS2243
2	DES3242	OBJECT-ORIENTED MODELLING	4	4	SICT	DCS3233

TOTAL CREDIT HOURS FOR ELECTIVES= 8

ELECTIVE B - NETWORK & SECURITY

NO	COURSE CODE	COURSE NAME	CREDIT HOURS	CONTACT HOURS	OFFERED BY	PRE-REQUISITE
1	DES3243	INFORMATION & NETWORK SECURITY	4	4	SICT	DCS2236
2	DES3244	PRINCIPLES OF DIGITAL FORENSICS	4	4	SICT	DES3243

TOTAL CREDIT HOURS FOR ELECTIVES=8

ELECTIVE C - MULTIMEDIA TECHNOLOGY

NO	COURSE CODE	COURSE NAME	CREDIT HOURS	CONTACT HOURS	OFFERED BY	PRE-REQUISITE
1	DES3245	MULTIMEDIA INTERACTIVE DESIGN	4	4	SICT	NONE
2	DES3246	MULTIMEDIA AUTHORIZING	4	4	SICT	NONE

TOTAL CREDIT HOURS FOR ELECTIVES= 8

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.

STUDY PLAN FOR DIPLOMA IN COMPUTER SCIENCE (DCS) MATRIC NO DCS 131 AND ABOVE

	YEAR 1			YEAR 2			YEAR 3			
	Semester 1	Semester 2	Semester 3	Semester 1	Semester 2	Semester 3	Semester 1	Semester 2		
LIST OF COURSES	ENGLISH INTERMEDIATE STUDIES CES1231 IIC Compulsory Course 3 credit hours Class	ENGLISH FOR ADVANCED STUDIES CES1232 IIC Compulsory Course 3 credit hours Pre : CES1231(EIS) Class	STRUCTURED PROGRAMMING DCT 1234 Core Course 3 credit hours Lab	BUSINESS COMMUNICATION CES2233 College Compulsory Course 3 credit hours Pre : CES1232(EAS) Class	OBJECT ORIENTED PROGRAMMING DCS 2243 Core Course 4 credit hours Pre:DCT1234(SP) Lab	HUMAN COMPUTER INTERACTION DCS 2232 Core Course 3 credit hours Class	FINAL PROJECT DCT3241 Core Course 4 credit hours Complete 78 credit hours	PRACTICAL TRAINING DCT3242 MQA Standard Course 4 credit hours	Total Credit hours Completed :	
	MALAYSIAN STUDIES MQA 1231 MQA Compulsory Course 3 credit hours Class	ISLAMIC STUDIES (MQA 1232) OR MORAL STUDIES (MQA 2231) MQA Compulsory Course 3 credit hours Class	INTRODUCTION TO CALCULUS DCS 3231 Core Course 3 credit hours Class	SYSTEM ANALYSIS & DESIGN DCT 1235 Core Course 3 credit hours Pre: DCT2232(IDBMS) Class	PRINCIPLES OF ARTIFICIAL INTELLIGENCE DCS2235 Core Course 3 credit hours Pre: DCS2234(IDM) Lab	ELECTIVE 1 Elective A: ADVANCED PROGRAMMING (DES3241) OR Elective B: INFORMATION & NETWORK SECURITY (DES3243) OR Elective C: MULTIMEDIA INTERACTIVE DESIGN (DES3245) 4 credit hours Lab	ELECTIVE 2 Elective A: OBJECT ORIENTED MODELING (DES3242) OR Elective B: PRINCIPLES OF DIGITAL FORENSIC (DES3244) OR Elective C: MULTIMEDIA AUTHORIZING (DES3246) 4 credit hours Lab			
	BAHASA KEBANGSAAN A (MQA2233) OR BAHASA KEBANGSAAN B (MQA2232) MQA Compulsory Course 3 credit hours Class	INTRODUCTION TO DISCRETE MATHEMATICS DCS 2234 Core Course 3 credit hours Class	ETHICS IN DAILY LIFE SOS2231 Core Course 3 credit hours Class	DATA & NETWORKING TECHNOLOGY DCS 2236 Core Course 3 credit hours Pre: DCS2234(IDM) Lab	WEB APPLICATION DEVELOPMENT DCT2241 Core Course 4 credit hours Pre:DCT2232(IDBMS) Lab		IBADAH CAMP (ICD 3221) OR INTERCULTURAL PROGRAM (ICD3222) College Compulsory Course 2 credit hours			
	COMPUTER ORGANIZATION & ARCHITECTURE DCS 1231 Core Course 3 credit hours Class	OPERATING SYSTEM DCS 2231 Core Course 3 credit hours Pre: DCS1231(COA) Class		DATA STRUCTURE & ALGORITHM DCT 2231 Core Course 3 credit hours Pre: DCT 1234(SP) Lab	SOFTWARE ENGINEERING DCS 3233 Core Course 3 credit hours Pre:DCT1235(SAD) Class					
	INFORMATION TECHNOLOGY FUNDAMENTALS DCT1236 Core Course 3 credit hours Lab	INTRODUCTION TO DATABASE MANAGEMENT SYSTEM DCT 2232 Core Course 3 credit hours Lab		COMPUTER GRAPHICS DCS2237 Core Course 3 credit hours Lab	TECHNOPRENEURSHIP DIT3232 Core Course 3 credit hours Class					
Credit hours /Sem	15	15	9	15	17	7	10	4	92	