

**LIST OF COURSES FOR DIPLOMA IN COMPUTER SCIENCE (DCS)
for matric no starting DCS193XXX and above**

MQA COMPULSORY COURSES

NO	COURSE CODE	COURSE NAME	CREDIT HOURS	CONTACT HOURS	OFFERED BY	PRE-REQUISITE
1	MPU2163	MALAYSIAN STUDIES (TO BE TAKEN BY LOCAL STUDENTS)	3	3	SOSS	
	MPU2133	BAHASA MELAYU KOMUNIKASI 1 (TO BE TAKEN BY INTERNATIONAL STUDENT)			CEL	
2	MPU2213	BAHASA KEBANGSAAN A (TO BE TAKEN BY LOCAL STUDENT WHO DO NOT EARN CREDIT IN BAHASA MELAYU)	3	3	CEL	
	MPU2233 OR	PRESENTATION SKILLS			CEL	
	MPU2253 OR	PROCESS WRITING			CEL	
	**MPU2263	IT ESSENTIAL			SICT	
3	MPU2323 OR	POLITICAL SCIENCE	3	3	SOSS	
	MPU2343 OR	HUMAN RELATIONS			SOSS	
	**MPU2333	MEDIA & SOCIETY			SICT	
4	MPU2412	IBADAH CAMP (TO BE TAKEN BY LOCAL STUDENTS)	2	2	SOSS	
	MPU2422	INTERCULTURAL PROGRAM (TO BE TAKEN BY INTERNATIONAL STUDENTS)			SOSS	

TOTAL CREDIT HOURS FOR MQA COMPULSORY COURSES = 11

COLLEGE COMPULSORY COURSES

NO	COURSE CODE	COURSE NAME	CREDIT HOURS	CONTACT HOURS	OFFERED BY	PRE-REQUISITE
1	CES1231	ENGLISH FOR INTERMEDIATES STUDIES	3	3	CEL	
2	CES1232	ENGLISH FOR ADVANCED STUDIES	3	3	CEL	CES1231
3	CES2233	BUSINESS COMMUNICATION	3	3	CEL	CES1232

TOTAL CREDIT HOURS FOR COLLEGE COMPULSORY COURSES = 9

CORE COURSES

NO	COURSE CODE	COURSE NAME	CREDIT HOURS	CONTACT HOURS	OFFERED BY	PRE-REQUISITE
1	DCS1231	COMPUTER ORGANIZATION & ARCHITECTURE	3	3	SICT	
2	DCT1236	INFORMATION TECHNOLOGY FUNDAMENTALS	3	4	SICT	
3	DCS2231	OPERATING SYSTEM	3	3	SICT	DCS1231 (COA)
4	DCS2234	INTRODUCTION TO DISCRETE MATHEMATICS	3	3	SICT	
5	DCT1234	STRUCTURED PROGRAMMING	3	4	SICT	
6	DCS2238	DATA STRUCTURE & ALGORITHM	3	4	SICT	DCT1234 (SP)
7	DCT2237	OBJECT ORIENTED PROGRAMMING	3	4	SICT	DCT1234 (SP)
8	DCS2239	ADVANCED PROGRAMMING	4	4	SICT	DCT2237 (OOP)
9	DCS3241	MOBILE APPLICATION DEVELOPMENT	3	3	SICT	DCS2239 (AP)
10	DCT1235	SYSTEM ANALYSIS & DESIGN	3	3	SICT	
11	DCS3233	SOFTWARE ENGINEERING	3	3	SICT	DCT1235 (SAD)
12	DCT2232	INTRODUCTION TO DATABASE MANAGEMENT SYSTEM	3	4	SICT	DCT1235 (SAD)
13	DCT2238	WEB APPLICATION DEVELOPMENT	3	4	SICT	DCT2232 (I2DBMS)
14	DCS2236	DATA & NETWORKING TECHNOLOGY	3	3	SICT	
15	DCS3231	INTRODUCTION TO CALCULUS	3	3	SICT	
16	DCS2232	HUMAN COMPUTER INTERACTION	3	3	SICT	
17	DCT2236	DIGITAL COMMERCE	3	3	SICT	
18	SOS2231	ETHICS IN DAILY LIFE	3	3	SOSS	
19	DCT3241	FINAL PROJECT	4	-	SICT	COMPLETED 78 CREDIT HOURS
20	DCT3242	PRACTICAL TRAINING	4	-	SICT	COMPLETED 89 CREDIT HOURS

TOTAL CREDIT HOURS FOR CORE COMPULSORY COURSES = 63

ELECTIVE COURSES - TO CHOOSE ONE CONCENTRATION EITHER A OR B

ELECTIVE A - DATA SCIENCE

NO	COURSE CODE	COURSE NAME	CREDIT HOURS	CONTACT HOURS	OFFERED BY	PRE-REQUISITE
1	DES2235	PRINCIPLES OF ARTIFICIAL INTELLIGENCE	3	4	SICT	DCS2234 (I2DM)
2	DES2232	SOFTWARE ENGINEERING MODELLING	3	4	SICT	DCS3233 (SE)
3	DES3232	FUNDAMENTAL OF DATA SCIENCE	3	4	SICT	DES2235 (PAI)

ELECTIVE B - CYBER SECURITY

1	DES2233	INFORMATION & NETWORK SECURITY	3	4	SICT	DCS2236 (DNT)
2	DES3233	PRINCIPLES OF DIGITAL FORENSICS	3	4	SICT	DES2233 (INS)
3	DES2237	SECURITY ASSESSMENT AND RISK MANAGEMENT	3	4	SICT	

TOTAL CREDIT HOURS FOR ELECTIVES = 9

TOTAL CREDIT HOURS TO COMPLETE PROGRAMME = 92

****Updated as 21 July 2023**

STUDY PLAN FOR DIPLOMA COMPUTER SCIENCE (MATRIC NO DCS193XXX 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 Subjects		ENGLISH INTERMEDIATE STUDIES CES1231 3 CREDIT HOURS	ENGLISH FOR ADVANCED STUDIES CES1232 PRE: CES1231 3 CREDIT HOURS	BUSINESS COMMUNICATION CES2233 PRE: CES1232 3 CREDIT HOURS	POLITICAL SCIENCE MPU2323 OR HUMAN RELATIONS MPU2343 OR MEDIA & SOCIETY MPU2333 3 CREDIT HOURS	ADVANCED PROGRAMMING DCS2239 PRE:DCT2237 3 CREDIT HOURS	MOBILE APPLICATION DEVELOPMENT DCS3241 PRE:DCS2239 4 CREDIT HOURS	FINAL PROJECT DCT3241 PRE:Completed 78 credit hours 4 CREDIT HOURS	PRACTICAL TRAINING DCT3242 PRE:Completed 88 credit hours 4 CREDIT HOURS		
		MALAYSIAN STUDIES MPU2163 OR BAHASA MELAYU KOMUNIKASI 1 MPU2133 3 CREDIT HOURS	BAHASA KEBANGSAAN A MPU2213 OR PRESENTATION SKILLS MPU2233 OR PROCESS WRITING MPU2253 OR IT ESSENTIAL MPU2263 3 CREDIT HOURS	INTRODUCTION TO CALCULUS DCS 3231 3 CREDIT HOURS	INTRODUCTION TO DATABASE MANAGEMENT SYSTEM DCT2232 PRE: DCT1235 3 CREDIT HOURS	ELECTIVE 1 Elective A: PRINCIPLES OF ARTIFICIAL INTELLIGENCE DES2235 3 CREDIT HOURS PRE:DCS2234 OR Elective B: SECURITY ASSESSMENT AND RISK MANAGEMENT DES2237 3 CREDIT HOURS	ELECTIVE 2 Elective A: FUNDAMENTAL OF DATA SCIENCE DES3232 PRE:DES2235 3 CREDIT HOURS OR Elective B: INFORMATION & NETWORK SECURITY DES2233 PRE:DCS2236 3 CREDIT HOURS	ELECTIVE 3 Elective A: SOFTWARE ENGINEERING MODELING DES2232 PRE:DCS3233 3 CREDIT HOURS OR Elective B: PRINCIPLES OF DIGITAL FORENSICS DES3233 PRE:DES2233 3 CREDIT HOURS			
		INTRODUCTION TO DISCRETE MATHEMATICS DCS2234 3 CREDIT HOURS	SYSTEM ANALYSIS & DESIGN DCT1235 3 CREDIT HOURS	ETHICS IN DAILY LIFE SOS2231 3 CREDIT HOURS	DATA & NETWORKING TECHNOLOGY DCS2236 3 CREDIT HOURS	WEB APPLICATION DEVELOPMENT DCT2238 PRE:DCT2232 3 CREDIT HOURS	DIGITAL COMMERCE DCT2236 3 CREDIT HOURS	IBADAH CAMP MPU2412 OR INTERCULTURAL PROGRAM MPU2422 2 CREDIT HOURS			
		COMPUTER ORGANIZATION & ARCHITECTURE DCS1231 3 CREDIT HOURS	OPERATING SYSTEM DCS2231 PRE: DCS1231 3 CREDIT HOURS		DATA STRUCTURE & ALGORITHM DCS2238 PRE: DCT1234 3 CREDIT HOURS	SOFTWARE ENGINEERING DCS3233 PRE:DCT1235 3 CREDIT HOURS					
		INFORMATION TECHNOLOGY FUNDAMENTALS DCT1236 3 CREDIT HOURS	STRUCTURED PROGRAMMING DCT1234 3 CREDIT HOURS		OBJECT ORIENTED PROGRAMMING DCT2237 PRE: DCT1234 3 CREDIT HOURS	HUMAN COMPUTER INTERACTION DCS2232 3 CREDIT HOURS					
		USRAH: AM I A GOOD MUSLIM (MUSLIM) USR2001 OR CURRENT ISSUES (NON MUSLIM) USR2005	USRAH: PROFESSIONAL MUSLIM TO BE OR NOT TO BE (MUSLIM) USR2002 OR CULTURAL PERSEPCTIVE VIEW (NON MUSLIM) USR2006		USRAH: VIRTUE VS VICES USR2003	USRAH: JUNIOR APPRENTICE USR2004					
CH Taken Per Sem	15	15	9	15	15	10	9	4	92	Total Credit Hour Completed:	