

IS Course Plan
Diploma First Year
TOTAL CREDITS = 34

Year 1						
S#	Code	Course Name	Prerequisite	Type	Credit Hour	Sem
1	ENTW1100	Technical Writing I	FP Level 4	CR	3	Semester 1
2	ITIS101	Fundamentals of Information Technology	FPIT0001 – IT Foundation	CR	2	
3	ITIS102	Foundation of Information Systems	None	DR	3	
4	BAMG1100	Introduction to Business	None	DR	3	
5	ITDB101	Introduction to Database	None	DR	3	
6	ENTW1200	Technical Writing II	ENTW1100 - Technical Writing I	CR	3	Semester 2
7	ITSE101	Programming I	ITIS101 - Fundamentals of Information Technology	DR	3	
8	ITIS103	Web Technologies	None	DR	3	
9	ITIS104	Fundamentals of Multimedia	None	DR	2	
10	BAMA1101	Business Mathematics	MATH1103 – Applied Math	DR	3	
11	ITSE102	Introduction to Operating System	ITSE101 - Programming I	DR	3	Semester 3
12	ITIS105	Computer Hardware and Network Essentials	ITIS101 - Fundamentals of Information Technology	DR	3	

NOTE:-

Type	Description
CR	College Requirement
MR	Major Requirement
DR	Department Requirement
CE	College Elective
ME	Major Elective
DE	Department Elective

IS Course Plan
Diploma Second Year
TOTAL CREDITS = 36

Year 2						
S#	Code	Course Name	Prerequisite	Type	Credit Hour	Sem
1	ENGL2100	Technical Communication	ENTW1200 - Technical Writing I I	CR	3	Semester 1
2	ITIS201	Systems Analysis & Design	ITDB101 - Introduction to Database AND ITIS102 - Foundation of Information Systems	MR	3	
3	ITSE201	Programming II	ITSE101 - Programming I	MR	3	
4	ITDB202	Structured Query Language	ITDB101 - Introduction to Database	MR	3	
5	ITIS202	Introduction to E-Business Technologies	ITSE101 - Programming I AND ITIS103 - Web Technologies	MR	3	
6	BAMG2111	Entrepreneurship	ENTW1200 - Technical Writing I I	CR	3	Semester 2
7	BAMK1205	Principles of Marketing	BAMG1100 - Introduction to Business	DR	3	
8	BAMG1207	Principles of Management	None	MR	3	
9	ITIS203	Businesses Application Development	ITIS202 - Introduction to E- Business Technologies	MR	3	
10	ITIS204	Course Project	ITIS201 - Systems Analysis & Design I AND ITIS202 - Introduction to E-Business Technologies	MR	3	
11	BAHR2100	Organizational Behavior	BAMG1207- Principles of Management	MR	3	Semester 3
12	PHIL3108	Business Ethics	None	CR	3	

IS Course Plan Advance Diploma

TOTAL CREDITS = 36

Year 3						
S#	Code	Course Name	Prerequisite	Type	Credit Hour	Sem
1	ENGL3100	Public Speaking	ENGL2100 - Technical Communication	CR	3	Semester 1
2	MATH311	Probability and Statistics for Information Technology	MATH1102 – Pure Math OR MATH1103 – Applied Math	DR	3	
3	ITSE203	Object-Oriented Programming	ITSE101 - Programming I	MR	3	
4	ITIS303	Information Systems Strategy, Management and Acquisition	ITIS102 - Foundation of Information Systems	MR	3	
5		Major Elective I		ME	3	
6	BAMG2100	Production & Operation Management	None	MR	3	Semester 2
7	ITIS304	Research Methodology	MATH311 - Probability and Statistics for Information Technology	DR	3	
8	ITDB301	Database Programming	ITDB202 - Structured Query Language	MR	3	
9	ITIS301	Business Process Management	ITIS201 - Systems Analysis & Design	MR	3	
10		Major Elective II		ME	3	
11	ITDB304	Fundamentals of Big Data	ITDB101 - Introduction to Database	MR	3	Semester 3
12	ITIS302	Project Management Information System	BAMG1207 - Principles of Management AND ITIS301 - Business Process Management	MR	3	

Student will take 2 Major Electives from the following list:

S#	Code	Course Name	Prerequisite	Credit Hr
1	ITIS305	Technopreneurship	BAMG2111 - Entrepreneurship	3
2	ITSE301	Mobile Application Development	ITSE203 - Object-Oriented Programming AND ITIS103 - Web Technologies	3
3	ITSE205	Data Structures and Algorithms	ITSE203 - Object-Oriented Programming	3
4	ITDB303	Data Warehouse Design	ITDB101 - Introduction to Database	3
5	ITSY201	Fundamentals of Computer Security	None	3

IS Course Plan Btec
TOTAL CREDITS = 36

Year 4						
S#	Code	Course Name	Prerequisite	Type	Credit Hour	Sem
1	ITIS401	Human-Computer Interaction	None	MR	3	Semester 1
2	ITIS403	Enterprise Resource Planning	BAMG1100- Introduction to Business	MR	3	
3	PHIL3201	Formal Arabic Communication	None	CR	3	
4	BALW4115	Business Law	BAMG1100- Introduction to Business	MR	3	
5	ITIS414	B-Tech Project I	ITIS304- Research Methodology	MR	3	
6	PHIL4101	Oman Civilization	None	CR	3	Semester 2
7	BAMG4216	Strategic Management	None	MR	3	
8	ITIS404	B-Tech Project II	ITIS414- B-Tech Project I	MR	3	
9		Major Elective I		ME	3	
10		College Elective		CE	3	
11		Major Elective II		ME	3	Semester 3
12	ITIS402	IS Auditing and Control	ITIS301- Business Process Management AND ITIS303- Information Systems Strategy, Management and Acquisition	MR	3	

Student will take 2 Major Electives from the following list:

S#	Code	Course Name	Prerequisite	Credit Hr
1	ITDB403	Data Mining	ITDB303- Data Warehouse Design	3
2	ITDB402	Database Management and Security	ITDB301- Database Programming	3
3	ITDB401	Advanced Database Applications	ITDB301- Database Programming	3
4	ITIS405	IS Innovation and New Technologies	None	3
5	ITIS407	Knowledge Management System	ITIS303- Information Systems Strategy, Management and Acquisition	3
6	ITIS406	Decision-Support System	ITIS102- Foundation of Information Systems AND BAMG1207- Principles of Management	3
7	ITDB405	Big Data Analytics	ITDB304- Fundamentals of Big Data	3
8	ITDB303	Data Warehouse Design	ITDB101- Introduction to Database	3

Student will take 1 College Elective from the following list:

S#	Code	Course Name	Prerequisite	Credit Hr
1	BAAC1102	Principles of Accounting	None	3
2	BAEC1203	Principles of Microeconomics	BAMG1100- Introduction to Business	3