2018 IS Plan

Suggested Plan of Study (per Semester)

Updated as of Fall 2023

Total Required Credits (134)

The following is a recommended distribution of courses through-out the eight Semesters of the duration of the program.

1.1 1st Semester

Course Code	Course Name	Credits	Prerequisite	Co-requisite
MATH 101	Differential Calculus	3	None	None
ENGL 100	English I	6	None	None
CHEM 101	General Chemistry I	4	None	None
ARAB 100	Writing Skills	2	None	None
ENT 101	Entrepreneurship	1	None	None
Total		16		

1.2 2nd Semester

Course Code	Course Name	Credits	Prerequisite	Co-requisite
STAT 101	Introduction to Statistics	3	None	None
ENGL 110	English II	6	ENGL100	None
CT 101	Computer Skills	3	None	None
CUR 101	Academic Skills	3	None	None
EPH 101	Health and Physical Fitness	1	None	None
Total		16		

1.3 3rd Semester

Course Code	Course Name	Credits	Prerequisite	Co-requisite
CSC111	Computer Programming I	4	CT101	None
IS201	Fundamentals & Ethics of Information Systems	3	CT 101	None
MGT101	Principles of Management and Business	3	None	None
MATH151	Discrete Mathematics	3	MATH101	None
IC 1xx	Elective Islamic Culture Course (100's level)	2	None	None
Total		15		

1.4   4th Semester

Course Code	Course Name	Credits	Prerequisite	Co-requisite
CSC113	Computer Programming II	4	CSC111	None
IS230	Introduction to Database Systems	3	CSC111, MATH151	None
IS240	Information Systems Analysis & Design	3	IS201	None
ACCT201	Principle of Accounting & Financial Reporting	3	None	None
MATH 244	Linear Algebra	3	MATH151	None
Total		16		

1.5   5th Semester

Course Code	Course Name	Credits	Prerequisite	Co-requisite
CSC212	Data Structures	3	CSC113	None
IS340	Information Systems Analysis & Design 2	3	IS240	None
IS324	Modern Applications Development	3	IS230, CSC113	None
IS351	Information Systems Project Management	3	IS240	None
IS362	Mathematical Modeling for IS	3	MATH244	None
MGT221	Organizational Behavior	3	MGT101	None
Total		18		

1.6   6th Semester

Course Code	Course Name	Credits	Prerequisite	Co-requisite
CSC227	Operating Systems	3	CSC212	None
IS335	Database Management Systems	3	IS230	None
IS385	Enterprise Resource Planning Systems	3	IS230	None
IS 370	Data Transmission & Computer Networks	3	CSC113	None
FIN200	Principles of Finance	3	ACCT201	None
IC 1xx	Elective Islamic Culture Course (100's level)	2	None	None
Total		17		

1.7   7th Semester

Course Code	Course Name	Credits	Prerequisite	Co-requisite
IS424	Web Applications Development	3	IS324	None
IS482	Electronic Business	3	IS230, IS370	None
IS493	Information Security	3	IS370, CSC227	None
IS498	Capstone Project-I	3	IS 324, IS340	None
MGT110	Managerial Skills	3	MGT101	None
IC107	Professional Ethics	2	IC 10x	None
Total		17		

1.8   8th Semester

Course Code	Course Name	Credits	Prerequisite	Co-requisite
IS495	Seminar	1	IS340, IS385	None
IS499	Capstone Project-II	3	IS498	None
IC108	Contemporary Issues	2	IC 10x	None
IS 4xx	IS Department Elective 1	3	Per course	None
IS 4xx	IS Department Elective 2	3	Per course	None
IS 4xx	IS Department Elective 3	3	Per course	None
IS 4xx	IS Department Elective 4	3	Per course	None
Total		18		

1.9   Summer Semester (after 6th or 8th Semester)

Course Code	Course Name	Credits	Prerequisite	Co-requisite
IS479	Practical Training	1	IS230, IS351	None
Total		1		
Total All		134		