

College of Economics, Management and Information Systems

Department of Information Systems

Degree Plan for B.Sc. in Information Systems (Revised Fall 2019-Updated May 2021)

Minimum No. of Credits for Graduation = 130

University Requirements = 24 Credits				
Course Code	Course Title	No. of Credits	Pre-Requisite/s	Co-Requisite/s
ARAB100	Arabic Language I	3		
ARAB101	Arabic Language II	3	ARAB100	
COMP101/L	Computer Skills	3	DL, MATH001	COMP101L
HIST150	Islamic Civilization	3	UNLS001, LIFE001	
ENGL150	English Language I	3		
ENGL152	English Language II	3	ENGL150	
ENGL155	Communication Skills	3	ENGL152	
MNGT100/L	Entrepreneurship Creativity and Innovation	3	Should have completed a min. of 45 Cr. Hrs.	MNGT100L
University Electives = 3 Credits				
To be chosen from available courses offered by all Colleges in the University other than those offered by the College of Economics, Management and Information Systems				
College Requirements = 37 Credits				
Course Code	Course Title	No. of Credits	Pre-Requisite/s	Co-Requisite/s
ACCT101	Introduction to Accounting	3		
BUSI101	Introduction to Business	3		
BUSI102	Business Law in Oman	3		
BUSI205	Technical Writing for Business	2	BUSI101, ENGL150	
ECON101	Introduction to Economics	3		
MATH116/L	Pre-Calculus	4	MATH001	MATH116L
MATH222/L	Discrete Mathematics	3	MATH116/L	MATH222L
MNGT101	Introduction to Management	3		
MNGT102	Organizational Behavior	3		
MRKT101	Introduction to Marketing	3		
STAT101/L	Introduction to Statistics	4		STAT101L
INFS101/L	Introduction to Information Systems	3	COMP101/L	INFS101L
College Electives = 6 Credits				
Two (2) courses to be chosen from the List of College Electives specified for Information Systems Major				

Department Requirements = 54 credits				
Course Code	Course Title	No. of Credits	Pre-Requisite/s	Co-Requisite/s
INFS-102/L	Problem Solving and Programming	3	COMP101/L	INFS-102L
INFS103/L	Internet Technology	3	COMP101/L	INFS103L
INFS201/L	E-Business Architecture and Design	3	INFS101/L INFS103/L	INFS201L
INFS-203/L	Object-Oriented Programming	3	INFS-102/L	INFS-203L
INFS204/L	Systems Analysis and Design	3	INFS101/L	INFS204L
INFS205/L	Introduction to Computer Security	3	INFS101/L INFS103/L	INFS205/L
INFS301/L	Networks and Communication	3	INFS101/L	INFS301L
INFS302/L	Database Management Systems	3	INFS101/L	INFS302L
INFS303/L	Data Structures and Algorithm Design	3	INFS-203/L	INFS303L
INFS304/L	Software Project Management	3	INFS204/L	INFS304L
INFS322/L	Web Applications	3	INFS201/L, INFS302/L	INFS322L
INFS401/L	IS Theory and Practice	3	INFS204/L	INFS401L
INFS402/L	Emerging Environments in Information Systems	3	INFS204/L, INFS302/L	INFS402L
INFS421/L	Multimedia Systems	3	INFS322/L	INFS421L
INFS454	Internship in Information Systems	6	Should have completed a min. of 90 credit hours	
INFS455	Graduation Project	6	INFS322/L and should have completed a min. of 90 credit hours	
Department Electives = 6 Credits				
Two (2) courses to be chosen from the following courses				
Course Code	Course Title	No. of Credits	Pre-Requisite/s	Co-Requisite/s
INFS321/L	Decision Support Systems	3	INFS204/L	INFS321L
INFS323/L	Expert Systems	3	INFS-102/L, INFS204/L	INFS323L
INFS324/L	Interactive Mobile Application	3	INFS322/L	INFS324L
INFS423/L	Human Computer Interactions	3	INFS204/L	INFS423L
INFS425/L	Data Mining	3	INFS302/L	INFS425L
INFS427/L	Security Management for Information Systems	3	INFS205/L	INFS427L

List of College Electives

Bachelors in Information Systems				
Students shall choose any Two Courses (06 credit hours) from the following list of courses				
Course Code	Course Title	No. of Credits	Pre-Requisite/s	Co-Requisite/s
ECON102	Principles of Micro-Economics	3	ECON101	
ECON103	Principles of Macro-Economics	3	ECON101	
ECON202	Economics of Tourism and Recreation	3	ECON101	
ECON203	International Trade	3	ECON102	
ECON304	Economics of GCC	3	ECON103	
ACCT206	Financial Accounting-I	3	ACCT101	
ACCT207	Cost Accounting	3	ACCT101	
ACCT208	Computerized Accounting System	3	COMP101/L, ACCT101	
BUSI201	International Business Laws	3	BUSI101, BUSI102	
BUSI203	Business Environment and Business Policies	3	BUSI101	
FINA201	Business Finance	3	ACCT101	
FINA202	Principles of Investment	3	FINA201	
MNGT201	Administration and Business Systems in Oman	3	MNGT101, BUSI101	
MNGT202	International Business Management	3	MNGT101, BUSI101	
MNGT204	Introduction to Operations Management	3	BUSI101,ECON101	
MNGT304	Management of Tourism Services	3	MNGT101	
MNGT305	Management of Tour Operations	3	MNGT101	
MNGT322	Management of Services and Professionals	3	MNGT102	
MRKT202	Consumer Behavior	3	MRKT101	
MRKT206	Industrial Marketing	3	MRKT101	