

**Bachelor of Science in Information Technology
Study Plan (Fall Start)**

Total Credit Hours: **129**

First Year (Freshman)

Semester 1

Code	Title	Cr.	Prerequisite
ARL 100	Communication Skills in Arabic I	3	nil
FWS 100	Academic Skills for Success	3	nil
ENG 200	English 2	3	EPT / ENG102 + FWS100 (co-req)
MTT 101	Pre-Calculus	3	MTH 100 or MPT
STT 100	General Statistics	3	nil

Total Credit Hours 15

Semester 2

Code	Title	Cr.	Prerequisite
MTT 202	Discrete Mathematics	3	MTT 101
FWS 205	UAE and GCC Society	3	ENG 102 + FWS 100 (co-req)
MTT 102	Calculus I	3	MTT 101
FWS 211	Fundamentals of Emotional Intelligence	3	ENG 102 + FWS 100 (co-req)
OE1	Open Elective I	3	-

Total Credit Hours 15

Second Year (Sophomore)

Semester 3

Code	Title	Cr.	Prerequisite
OE 2	Open Elective II	3	
CSC 302	Database Management Systems	3	MTT 202
STT 201	Intermediate Statistics and Research Methods	3	STT 100
ISL 100	Islamic Culture	3	nil
CSC 201	Structured Programming	3	MTT 101 or Higher

Total Credit Hours 15

Semester 4

Code	Title	Cr.	Prerequisite
CSC 202	Object Oriented Programming	3	CSC 201
CSC 311	Java Programming for the Internet	3	CSC201
NSC 201	Natural Sciences	3	nil
CSC 307	Web design	3	CSC 201
FWS 305	Technical Communications for Work Place	3	ENG 200 + Comp. of 45 c. hr.

Total Credit Hours 15

Third Year (Junior)

Semester 5

Code	Title	Cr.	Prerequisite
CSC 301	Data Structures and Algorithms	3	CSC 202
ITE 390	Computer Ethics	3	Junior level/ Consent of Dept.
CSC 305	Data Communications and Networks	3	Junior Level
ITE 305	Systems Analysis and Design	3	Junior Level/ Consent of Dept.
ITE 414	Introduction to E-Commerce	3	Junior Level

Total Credit Hours 15

Semester 6

Code	Title	Cr.	Prerequisite
CSC 308	Operating Systems	3	CSC 301
ITE 402	Computer Networks Design and Implement.	3	CSC 305
FWS 310	Fund. of Innovation and Entrepreneurship	3	ENG200 + Comp. of 60 c. hr.
ITE 422	Network Administration	3	CSC 305
ME1	Major Elective I	3	-
CIS 401	Advanced Database Management Systems	3	CSC 302

Total Credit Hours 18

Summer Semester

Code	Title	Credit	Prerequisite
CSC 399	Internship/Project in CS	3	90 Credit Hours

Fourth Year (Senior)

Semester 7

Code	Title	Cr.	Prerequisite
CSC 401	Software Engineering I	3	ITE 305
ITE 409	Human Computer Interaction	3	Senior Level/Consent
ITE 499A	Capstone Design Project I	3	90 credits
ITE 408	Information Security	3	CSC 305
ME2	Major Elective II	3	-
ME3	Major Elective III	3	-

Total Credit Hours 18

Semester 8

Code	Title	Cr.	Prerequisite
CIS 404	Data warehousing and Data Mining	3	CSC 302
CIS 408	Distributed Information Systems	3	CSC305&(CSC202orCSC311)
ITE 401	IT Project Management	3	Senior Level/Consent
ITE 499B	Capstone Design Project II	3	ITE499A
ME 4	Major Elective IV	3	

Total Credit Hours 15