

**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
UNS 100	University Study Skills	3	nil
ENG 100	English I	3	ELI Exit Test or TOEFL 500
ISL 100	Islamic Culture	3	nil
MTT 101	Mathematics for Science and Technology	3	MTG 100 or Math Placement Test

Total Credit Hours 15

Semester 2

Code	Title	Cr.	Prerequisite
MTT 202	Discrete Mathematics	3	MTT 101
STT 100	General Statistics	3	nil
MTT 102	Calculus I		MTT 101
ENG 105	English II	3	ENG 100 + UNS 100
OE1	Open Elective I	3	-

Total Credit Hours 15

Second Year (Sophomore)

Semester 3

Code	Title	Cr.	Prerequisite
ENG 201	Business and Technical Communications	3	ENG 105
CSC 302	Database Management Systems	3	MTT 202
STT 201	Intermediate Statistics and Research Methods	3	STT 100
SOC 201	UAE and GCC Society	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
PSY 201	General Psychology	3	nil
NSC 201	Natural Sciences	3	nil
CSC 307	Web design	3	CSC 201
OE2	Open Elective II	3	-

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
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
CSC 311	Java Programming for the Internet	3	CSC 201
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	70 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 499	Capstone project (part I)	3	90 credits
ITE 408	Information Security	3	CSC 305
ME2	Major Elective II	3	-

Total Credit Hours 15

Semester 8

Code	Title	Cr.	Prerequisite
CIS 404	Data warehousing and Data Mining	3	CSC 302
CIS 408	Distributed Information Systems	3	CSC 305, CSC308
ITE 401	IT Project Management	3	Senior Level
ITE 499	Capstone project (part II)	3	90 credits
ME3	Major Elective III	3	-
ME 4	Major Elective IV	3	-

Total Credit Hours 18