

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

Total Credit Hours: **126**

**First Year (Freshman)**

Semester 1

Code	Title	Cr.	Prerequisite
ECT 200	Introduction to Computing	3	nil
ENG 200	English II	3	IELTS average score of 6 or EMSAT average score of 1400 or passing grade in ENG102 (FWS100(E) as co-requisite if placed in ENG200)
FWS 100	Academic Skills for Success	3	nil
MTT 101	Mathematics for Science and Technology	3	P grade in MTH 100 or MPT
STT 100	General Statistics	3	nil

**Total Credit Hours 15**

Semester 2

Code	Title	Cr.	Prerequisite
CSE 210	Introduction to Cybersecurity Engineering	3	ECT 200
FWS 205	UAE and GCC Society	3	ENG102 (P) & FWS100(E) as pre-requisite. FWS100 (E) as co-requisite if students enter to ENG200 course directly
ARL 100	Communication Skills in Arabic I	3	nil
GES 201	General Sciences	3	ENG102 (P) & FWS100(E) as pre-requisite. FWS100 (E) as co-requisite if students enter to ENG200 course directly
ISL 100	Islamic Culture	3	nil

**Total Credit Hours 15**

**Second Year (Sophomore)**

Semester 3

Code	Title	Cr.	Prerequisite
SWE 201	Structured Programming	3	MTT 101 or Higher
MTT 202	Discrete Structures and Applications	3	STT 100
FWS 211	Fundamentals of Emotional Intelligence	3	ENG102 (P) & FWS100(E) as pre-requisite. FWS100 (E) as co-requisite if students enter to ENG200 course directly
STT 201	Intermediate Statistics and Research Methods	3	STT 100
OE 1	Open Elective 1	3	-

**Total Credit Hours 15**

Semester 4

Code	Title	Cr.	Prerequisite
CSC 202	Programming II	3	SWE 201 or CSC 201
CSC 302	Database Management Systems	3	MTT 202 + (SWE 201 or CSC 201)
CSC 307	Web design	3	SWE 201 or CSC 201
OE 2	Open Elective 2	3	-
FWS 305	Technical Communications for Workplace	3	ENG 200 + Comp of 45 CH

**Total Credit Hours 15**

**Third Year (Junior)**

Semester 5

Code	Title	Cr.	Prerequisite
CSC 301	Data Structures and Algorithms	3	CSC 202 + MTT 202
CSC 305	Data Communications and Networks	3	Junior Level
CSC 401	Software Engineering	3	CSC 202
ITE 390	Computer Ethics	3	CSC202
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 Implementation	3	CSC 305
ITE 421	Native Mobile Application Development	3	CSC202
ITE 422	System and Network Administration	3	CSC 305
ME 1	Major Elective 1	3	-
FWS 310	Fundamentals of Innovation and Entrepreneurship	3	ENG 200 + (Comp. of 60CH)

**Total Credit Hours 18**

Summer Semester

Code	Title	Credit	Prerequisite
ITE 399	Internship/Project in IT	3	90 Credit Hours

**Fourth Year (Senior)**

Semester 7

Code	Title	Cr.	Prerequisite
ITE 401	IT Project Management	3	CSC 401
ITE 408	Information Security	3	CSC 305
ITE 409	Human Computer Interaction	3	CSC 401 or SWE 401
ITE 442	Data Science and Big Data Analytics	3	(SWE 201 or CSC 201) + STT 201
ITE 499A	Capstone Design Project I	1	90 Credit Hours
ME 2	Major Elective II	3	-

**Total Credit Hours 16**

Semester 8

Code	Title	Cr.	Prerequisite
CSC 408	Distributed Information Systems	3	CSC 202 + CSC305
CSE 420	Ethical Hacking	3	CSC 305
CIS 404	Data Warehousing and Data Mining	3	CSC 302
ITE 499B	Capstone Design Project II	2	ITE499A
ME 3	Major Elective III	3	-

**Total Credit Hours 14**