

Course Descriptions :

General courses (25 Units) :

No	Module Name	Credits	Code	Requirement
1	Computer Science	3	CS011	-
2	General Math 1	4	MA011	-
3	General Math 2	4	MA121	MA011
4	English Language 1	2	EL011	-
5	English Language 2	2	EL121	EL011
6	Arabic Language 1	2	AR011	-
7	Arabic Language 2	2	AR121	AR011
8	General Physics	3	PH011	-
9	General Statistics	3	ST011	-
Total		25		

General College Courses (8 Units) :

No	Module Name	Credits	Code	Requirement
1	Research Methods	3	CS472	CS362
2	National Culture	2	NC011	MA121
3	University Skills	3	US121	-
Total		8		

Non-Specialization Compulsory Courses (9 Units) :

No	Module Name	Credits	Code	Requirement
1	Differential Equations	3	MA231	MA121
2	Linear Algebra	3	MA241	MA231
3	Statistical Methods	3	ST121	ST011
Total		9		

Specialization Compulsory Courses (84 Units) :

No	Module Name	Credits	Code	Requirement
1	Procedural Programming 1	4	CS121	CS011
2	Logical Circus	3	CS122	CS011
3	Procedural Programming 2	4	CS231	CS121
4	Data Structures 1	3	CS232	CS121
5	Discrete Structures	3	CS233	ST121,CS121
6	Object Oriented Programming	4	CS241	CS231
7	Data Structures 2	3	CS242	CS232
8	Database 1	3	CS243	CS231
9	Computer Architecture	4	CS234	CS121,CS122
10	Systems Analysis	3	CS352	CS241,CS242
11	Computational Theory	3	CS354	CS233
12	Algorithms Analysis and Design	4	CS355	MA241,CS241
13	Operating Systems	3	CS363	CS352
14	Computer Networks	3	CS476	CS234,CS241
15	Programming Languages	4	CS364	CS241,CS242
16	Artificial Intelligence	3	CS365	CS355
17	Systems Programming	4	CS471	CS361

18	Compilers	3	CS481	CS471
19	Web Programming	4	CS351	CS241
20	Database 2	3	CS353	CS243
21	Software Engineering	3	CS362	CS352
22	Computer Security	3	CS473	CS363
23	Computer Ethics	3	CS483	CS473
24	Computer Graphics	3	CS474	CS241
25	Project	4	CS472	CS482
Total		84		

Specialized elective courses (Units) :

No	Module Name	Credits	Code	Requirement
1	Web Programming 2	4	CS351	CS361
2	Data Mining	3	CS475	CS365
3	Image Processing	3	CS484	CS474
4	Neural Network	3	CS485	CS475