

Study Plan

Year 1 – Semester 1(15 Credit Hours)					
Course Code	Course Name	Lec	Lab	Credit	Prerequisite
CS104	Computer Skills	2	2	3	-
ARB101	Arabic Language	3	-	3	-
CSC101	Mathematics	3	-	3	-
CSC141	Communication Skills	3	-	3	-
ENG111	Upper-Intermediate English	3	-	3	-

Year 1 – Semester 2 (18 Credit Hours)					
Course Code	Course Name	Lec	Lab	Credit	Prerequisite
CSC111	Structured Programming	2	2	3	-
CSC102	Discrete Mathematics	3	-	3	-
CSC103	Probability & Statistics	3	-	3	-
CSC142	Computer Ethics & Social Responsibility	3	-	3	ENG111
ENG112	Advanced English	3	-	3	ENG111

Year 2 – Semester 1 (18 Credit Hours)					
Course Code	Course Name	Lec	Lab	Credit	Prerequisite
CSC241	Scientific Research Methods	3	-	3	CSC103
CSC203	Mathematics II	3	-	3	CSC101
CSC212	Object Oriented Programming I	2	2	3	CSC111
CSC202	Digital Logic	3	-	3	CSC102
HR106	Human Rights	3	-	3	-
HBH105	Bahrain Civilization & History	3	-	3	-

Year 2 – Semester 2 (18 Credit Hours)					
Course Code	Course Name	Lec	Lab	Credit	Prerequisite
CSC215	Data Structures	2	2	3	CSC212
CSC231	Computer Organization and Architecture	3	-	3	CSC202

CSC221	Database Systems	2	2	3	CSC212
CSC222	Software Engineering I	2	2	3	CSC212
LFS102	Thinking and Communications Skills Development	3	-	3	-
-	Major Elective	-	-	3	-

Year 3 – Semester 1 (18 Credit Hours)					
Course Code	Course Name	Lec	Lab	Credit	Prerequisite
CSC321	System Analysis and Design	2	2	3	CSC221
CSC331	Operating Systems	3	-	3	CSC231
CSC314	Object Oriented Programming II	2	2	3	CSC212
CSC322	Web Based Software Development I	2	2	3	CSC212
CSC304	Artificial Intelligence	3	-	3	CSC212
-	Major Elective	-	-	3	-

Year 3 – Semester 2 (18 Credit Hours)					
Course Code	Course Name	Lec	Lab	Credit	Prerequisite
CSC323	Visual Programming	2	2	3	CSC314&CSC221
CSC332	Data Communications & Comp. Networks	3	-	3	CSC331
CSC302	Computational Theory	3	-	3	CSC212
CSC301	Numerical Analysis	3	-	3	CSC203
CSC325	Database Development	2	2	3	CSC221
-	Major Elective	-	-	3	-

Year 4 – Semester 1 (18 Credit Hours)					
Course Code	Course Name	Lec	Lab	Credit	Prerequisite
CSC436	Mobile Computing	2	2	3	CSC332

CSC401	Algorithms Design & Analysis	3	-	3	CSC215
CSC402	Compilers Design	3	0	3	CSC302
CSC425	Graduation Project 1	-	6	3	90Cr
-	Major Elective	-	-	3	-
-	University Elective	-	-	3	-

Year 4 – Semester 2 (15 Credit Hours)					
Course Code	Course Name	Lec	Lab	Credit	Prerequisite
CSC435	Ciphering and Computer Security	3	-	3	CSC332
CSC426	Graduation Project 2	-	6	3	CSC425
CSC441	Internship	-	-	3	90Cr
-	Major Elective	-	-	3	-
-	University Elective	-	-	3	-