

Bachelor of Science in Computer Engineering																							
1st Year / 1st Semester								1st Year / 2nd Semester															
Course	Code	Course Title	TH	LH	CH	Co- requisite	Pre-requisite	Course	Code	Course Title	TH	LH	CH	Co- requisite	Pre-requisite								
ENGL	101	English Composition	3	0	3	None	None	ENGL	131	Academic Writing Skills	3	0	3	None	ENGL 101								
MATH	101	Calculus I	4	0	4	None	None	MATH	102	Calculus II	4	0	4	None	MATH 101								
PHYS	101	General Physics I	3	3	4	MATH 101	None	PHYS	102	General Physics II	3	3	4	MATH 102	PHYS 101								
CS	101	Computer Programming	2	3	3	MATH 101	None	CS	102	Object Oriented Programming	3	3	4	None	CS 101								
ISLM	101	Islamic Ideology	2	0	2	None	None	ARAB	101	Functional Grammar	2	0	2	None	None								
PE	101	Physical Education I	0	2	1	None	None	PE	102	Physical Education II	0	2	1	None	PE 101								
Total			14	8	17			Total			15	8	18										
2nd Year / 1st Semester								2nd Year / 2nd Semester															
Course	Code	Course Title	TH	LH	CH	Co- requisite	Pre-requisite	Course	Code	Course Title	TH	LH	CH	Co- requisite	Pre-requisite								
MATH	201	Calculus III	4	0	4	None	MATH 102	CS	204	Data Structures	3	3	4	None	CS 102								
CS	201	Digital Logic	3	3	4	None	CS 101	ARAB	201	Objective Writing	2	0	2	None	ARAB 101								
CSE	251	Electrical Circuit Analysis	3	3	4	None	MATH 101; PHYS 101	MATH	204	Linear Algebra & Differential Equation	4	0	4	None	MATH 201								
CS	202	Discrete Mathematics	4	0	4	None	MATH 101	CS	203	Computer Organization & Assembly Language	3	3	4	None	CS 102; CS 201								
ISLM	201	Human Rights In Islam	2	0	2	None	ISLM 101	CSE	252	Electronics	3	3	4	MATH 204	CSE 251								
Total			16	6	18			Total			15	9	18										
3rd Year / 1st Semester								3rd Year / 2nd Semester															
Course	Code	Course Title	TH	LH	CH	Co- requisite	Pre-requisite	Course	Code	Course Title	TH	LH	CH	Co- requisite	Pre-requisite								
ENGL	331	Professional Communication	3	0	3	None	ENGL 131	ENGL	332	Technical writing	3	0	3	None	ENGL 131								
CS	311	Database Systems	2	3	3	None	CS 204	CSE	371	Introduction to Real Time Embedded Systems	3	3	4	None	CS 203								
CS	480	Operating Systems	3	3	4	None	CS 203; CS 204	CSE/ NET	3XX	Track Core I	x	x	4	None									
CSE	351	Signals and Systems	2	3	3	None	MATH 204	CSE/ NET	3XX	Track Core II	x	x	3	None									
CSE	361	Introduction to Computer Networks	3	0	3	None	CS 201	CSE	354	Principles of VLSI Design	1	3	2	None	CSE 252								
ISLM	301	Works Ethics in Islam	2	0	2	None	ISLM 201	ARAB	301	Arab Communication	2	0	2	None	ARAB 201								
Total			15	9	18			Total			9	6	18										
3rd Year / Summer Semester								4th Year / 2nd Semester															
Course	Code	Course Title	TH	LH	CH	Co- requisite	Pre-requisite	Course	Code	Course Title	TH	LH	CH	Co- requisite	Pre-requisite								
CS	492	Begin COOP Work	x	x	0	None	Senior Standing	CSE	401	Systems Engineering	3	0	3	None	CS 480								
Total			x	x	0			STAT	410	Probability and Statistics	3	3	4	None	MATH 102								
4th Year / 1st Semester								CS	301	Computer Architecture	3	0	3	None	CS 203								
Course	Code	Course Title	TH	LH	CH	Co- requisite	Pre-requisite	CSE	471	Microcomputer Interfacing and Data Acquisition	2	3	3	None	CS 203; CSE 252								
CS	493	COOP	x	x	9	None	CS492	GE	4XX	General Elective	2	0	2	None									
								CSE/ NET	4XX	Track Elective I	x	x	3	None									
								Total			13	6	18										
								Total Credits required to complete the program: 134															
								Network and Security (Track Core Courses)								Digital Systems (Track Core Courses)							
Course	Code	Course Title	TH	LH	CH	Co- requisite	Pre-requisite	Course	Code	Course Title	TH	LH	CH	Co- requisite	Pre-requisite								
NET	362	Computer Networks I	3	3	4	None	CSE 361	CSE	352	Digital Signal Processing	3	3	4	None	CSE 351								
NET	363	Information and Computer Security	3	0	3	None	CSE 361	CSE	353	Digital System Design	2	3	3	None	CS 203								
Network and Security Track Electives (Any One)								Digital Systems Track Electives (Any One)															
Course	Code	Course Title	TH	LH	CH	Co- requisite	Pre-requisite	Course	Code	Course Title	TH	LH	CH	Co- requisite	Pre-requisite</								