

17- Study Plan:

Level 1

Term 1							
No .	Course Code	Course Name	L	T	P	Cr. Hrs.	Prerequisites, Co-requisites
1	UNV111	English 1	2	-	-	2	--
2	UNV112	Islamic Culture	2	-	-	2	--
3	UNV113	Arabic Language 1	2	-	-	2	--
4	UNV114	Israel Arabian Conflict	2	-	-	2	--
5	ENG115	Mathematics 1	2	2	-	3	--
6	ENG116	Engineering Physics	2	-	2	3	--
7	ENG117	Engineering Drawing	1	2	-	2	--
8	UNV118	Introduction To Computer	2	-	2	3	
			15	4	4	19	
Term 2							
No .	Course Code	Course Name	L	T	P	Cr. Hrs.	Prerequisites, Co-requisites
1	UNV121	English 2	2	-	-	2	English 1
2	UNV122	Arabic Language 2	2	-	-	2	Arabic Language 1
3	UNV123	National Culture	2	-	-	2	---
4	ENG125	Mathematics 2	2	2	-	3	Mathematic1
5	ELE126	Electrical Circuits 1	2	-	2	3	Engineering Physics
6	ELE127	Fundamentals Of Electronics Engineering	2	-	2	3	Engineering Physics
7	ENG128	Workshop Technology	1	-	2	2	-----
			14	2	8	17	

Level 2

Term 1							
No .	Course Code	Course Name	L	T	P	Cr. Hrs.	Prerequisites, Co-requisites
1	ELE211	Electrical Circuits 2	2	-	2	3	Electrical Circuit 1
2	ELE212	Electronics Circuits 1	2	-	2	3	Fundamentals of Electronics Engineering
3	ENG213	Programming Language 1	2	-	2	3	Introduction to Computer
4	ELE214	Mathematics 3	2	2	-	3	Mathematics 2
5	ENG215	Mechanical Engineering	2	2	-	3	Engineering physics
6	ELE216	Probability and Statistics (Lab SPSS)	2		2	3	Mathematics 2
			12	6	6	18	
Term 2							
No .	Course Code	Course Name	L	T	P	Cr. Hrs.	Prerequisites, Co-requisites
1	ELE221	Electronics Circuits 2	2	-	2	3	Electronics 1
2	ELE222	Programming Language 2	2	-	2	3	Programming Language 1
3	ENG223	Communications Skills	2	-	-	2	English 2
4	ELE224	Digital Logic	2	2	2	4	Electronics 1
5	ELE225	Mathematics 4 (Linear)	2	2	-	3	Mathematics 3
6	ELE226	Numerical Analysis	2	2	-	3	Mathematics 3
			12	6	6	18	

Level 3

Term 1							
No .	Course Code	Course Name	L	T	P	Cr. Hrs.	Prerequisites, Co-requisites
1	CEC311	Advanced Programming Language (GUI, CSS, HTML, Java Scripts)	2	-	2	3	Programming language 2
2	ELE312	Digital Systems Design & VHDL	2	-	2	3	Digital Logic
3	ELE313	Measuring Instruments	2	-	2	3	Electronics 2 and Electrical Circuits 2
4	CEC314	Automatic Control (1)	2	2	-	3	Mathematics 3
5	CEC315	Microprocessor and Assembly	2	-	2	3	Programming Language 1, Digital Logic
6	CEC316	Discrete Mathematics	2	2	-	3	Mathematics 2
			12	2	8	18	
Term 2							
No	Course Code	Course Name	L	T	P	Cr. Hrs.	Prerequisites, Co-requisites
1	ELE321	Electrical Machines	2	-	2	3	Electrical circuits 2
2	CEC322	Computation Theory	2	2	-	3	Discrete Mathematics
3	ELE323	Signals and Systems	2	2	-	3	Mathematics 4
4	CEC324	Software Engineering	2	-	-	2	Discrete Mathematics
5	CEC325	Automatic Control (2)	2	-	2	3	Automatic Control (1)
6	CEC326	Data Structures & Algorithms	2	-	2	3	Programming 2, Discrete Mathematics
			12	4	6	17	

Level 4

Term 1							
No .	Course Code	Course Name	L	T	P	Cr. Hrs.	Prerequisites, Co-requisites
1	ELE411	Digital Signal Processing	2	-	2	3	Signals and Systems
2	ELE412	Principles of Data Communications & Networking	2	-	2	3	Signals and Systems
3	ENG413	Engineering Project Management	2	-	-	2	Software Engineering
4	CEC414	Computer Organization & Architecture	2	2	2	4	Digital Logic, Microprocessors & Assembly
5	CEC415	Operating Systems (Lab CISCO LINUX-4hrs)	2	-	2	3	Data Structure and Algorithms
6	CEC416	Programmable Logic Controller	2	-	2	3	Microprocessor, Digital Logic
			12	2	10	18	
Term 2							
No	Course Code	Course Name	L	T	P	Cr. Hrs.	Prerequisites, Co-requisites
1	CEC421	Computer Networks	2	-	2	3	Principles of Data Communications & Networking
2	CEC422	Artificial Intelligence	2	-	2	3	Advanced Programming Language, Discrete Mathematics
3	CEC423	Embedded Systems	2	-	2	3	Programming Language, Electronics 2, Microprocessors & Assembly
4	CEC424	Database	2	-	4	3	Programming Language 2, Discrete Mathematics
5	ENG425	Research Methodology	2	-	-	2	
6		Field Attachments & Training	-	-	2	1	
			10	-	10	15	

Level 5

		Term 1					
No .	Course Code	Course Name	L	T	P	Cr. Hr s.	Prerequisites, Co-requisites
1	CEC511	Robotics	2	-	2	3	Automatic Control 2, Embedded Systems, AI
2	CEC512	Image Processing and computer vision	2	-	2	3	Digital Signals Processing
3	CEC513	Information Security	2	-	2	3	Discrete Mathematics, Computer Networks
4	CEC514	Elective 1	2	-	2	3	
5	CEC515	Graduate Project 1	2	-	2	3	
			10		10	15	
		Term 2					
No .	Course Code	Course Name	L	T	P	Cr. Hr s.	Prerequisites, Co-requisites
1	CEC521	Intelligent Control Systems	2	-	2	3	Robotics
2	ENG522	Occupation Ethics	2	-	-	2	-----
3	CEC523	Elective 2	2	-	2	3	
4	CEC524	Graduate Project 2	1	-	4	3	Graduation Project 1
			7	-	8	11	