

## Department of Computer Engineering and Automation A- Computer Engineering

			First ye	ar -Con	nputer Eng	ineering			
	Sec	ond Seme	ster		First Semester				
total	Practice (hour)	Theory (hour)	Course name	Total	Practice (hour)	Theory (hour)	Course name		
5	2	3	1-Mathematical Analysis (2)	6	2	4	1-Mathematical Analysis (1)		
6	2	4	2-Fundamentals of Electrical Engineering	6	2	4	2-Linear Algebra		
4	2	2	3- Physics(2)	4	2	2	3- Physics (1)		
6	2	4	4- Programming (1)	4	2	2	4-Mechanical Engineering		
4	4	-	5- Professional atelier	6	2	4	5- Introduction to Computers and Programming		
2	-	2	6- Arabic Language	2	_	2	6-National Culture		
4	-	4	7- Foreign Language(2)	4	_	4	7- Foreign Language(1)		
31	12	19	Total	32	10	22	Total		

	Second year -Computer Engineering										
	9	mester	First Semester								
total	Practice (hour)	Theory (hour)	Course name	tota l	Practice (hour)	Theory (hour)	Course name				
4	2	2	1-Discret Mathematical	6	2	4	1-Mathematical Analysis (3)				
5	2	3	2- Logic Circuits	5	2	3	2- Numerical Analysis				
5	2	3	3- Algorithms and data structure	6	2	4	3- Programming(2)				
4	2	2	4-Measurements and Electrical Measurements devices	6	2	4	4- Electrical Circuits(1)				
6	2	4	5- Fundamentals of Electronic Engineering	4	2	2	5- Engineering drawing				
4	2	2	6- Electrical Circuits(2)	4	1	3	6- Electromagnetic fields				
4		4	7- Foreign Language(4)	4		4	7- Foreign Language(3)				
32	12	20	Total	35	11	24	Total				



			Third year - C	ompute	r Engineeri	ng		
	Seco	nd Semeste	er	First Semester				
total	Practice	Theory	Course name	total	Practice	Theory	Course name	
	(hour)	(hour)			(hour)	(hour)		
4	2	2	1Electronic	6	2	4	1.Electronic	
			Circuits (2)				Circuits (1)	
6	2	4	2.Microprocesso	6	2	4	2. Digital and	
			r and its systems				Logical Systems	
6	2	4	3.Fundamentals	4	1	3	3.Automatic	
			of Engineering				Control theory	
4	_	4	4.Systems	6	2	4	4. Computer	
			Analysis				structure and	
							organization	
6	2	4	5.Automatic	4	2	2	5.Probability and	
			Control Systems				Statistic	
4	2	2	6.Electronic	2	_	2	6 .Operational	
			Measurements				Research	
30	10	20	Total	28	9	19	Total	

			Fourth year	-Comp	outer Engin	eering				
	Sec	ond Sem	ester		First Semester					
total	Practice (hour)	Theor y	Course name	total	Practice (hour)	Theory (hour)	Course name			
6	2	(hour) 4	1.Advanced Structure of Computer	4	2	2	1. Peripheral Units of Computers			
4	2	2	2.Sofware Engineering	6	2	4	2.Operating Systems			
6	2	4	3.Embedded Systems	2	_	2	3.Coding Theory			
6	2	4	4.Computers Networks and data Communication	6	2	4	4.Artificial Intelligence			
4	2	2	5.Database	6	2	4	5.Signal processing			
				6	2	4	6.Digital Communications			
26	10	16	Total	30	10	20	Total			



			Fifth year -	Compu	ter Enginee	ering		
	Se	cond Sem	ester	First Semester				
total	Practice	Theory	Course name	Total	Practice	Theory	Course name	
	(hour)	(hour)			(hour)	(hour)		
4	_	4	1. Engineering	6	2	4	1. Advanced Computers	
			Economy and				Networks	
			Business					
			Management					
4	2	2	2.Security of data	4	2	2	2. Neural Networks	
			and Networks					
4	1	3	3.Computer Vision	6	2	4	3.Modern Systems of	
							Communication	
				2	-	2	4.Reliability and quality	
							criteria	
				6	2	4	5.Computer Networks	
							Programming	
4	2	2	4.Final Project	4	2	2	6.Final Project	
16	5	11	Total	28	10	18	Total	

## Chairman of Department of Computer Engineering and Automation



## Department of Computer Engineering and Automation Control and Automation Engineering

		Fii	st year -Control	and Au	tomation <b>E</b>	Engineerin	g		
	Sec	ond Seme	ster	First Semester					
total	otal Practice Theory		Course name	Tota	Practice	Theory	Course name		
	(hour)	(hour)		l	(hour)	(hour)			
5	2	3	1-Mathematical	6	2	4	1-Mathematical		
			Analysis (2)				Analysis (1)		
6	2	4	2-Fundamentals	6	2	4	2-Linear Algebra		
			of Electrical						
			Engineering						
4	2	2	3- Physics(2)	4	2	2	3- Physics (1)		
6	2	4	4- Programming	4	2	2	4-Mechanical		
			(1)				Engineering		
4	4	-	5- Professional	6	2	4	5- Introduction to		
			atelier				Computers and		
							Programming		
2	-	2	6-Arabic	2	-	2	6-National Culture		
			Language						
4	_	4	7-Foreign	4	_	4	7- Foreign Language(1)		
			Language(2)						
31	12	19	Total	32	10	22	Total		

		Sec	ond year - Control and A	Autom	ation Engi	neering		
		Second Se	emester	First Semester				
total	al Practice Theory Cours		Course name	tota Practice		Theory	Course name	
	(hour)	(hour)		1	(hour)	(hour)		
4	2	2	1-Discret Mathematical	6	2	4	1-Mathematical	
							Analysis (3)	
5	2	3	2- Logic Circuits	5	2	3	2- Numerical	
							Analysis	
5	2	3	3- Algorithms and data	6	2	4	3- Programming(2)	
			structure					
4	2	2	4-Measurements and	6	2	4	4- Electrical	
			Electrical				Circuits(1)	
			Measurements devices					
6	2	4	5- Fundamentals of	4	2	2	5- Engineering	
			Electronic Engineering				drawing	
4	2	2	6- Electrical Circuits(2)	4	1	3	6- Electromagnetic	
							fields	
4		4	7- Foreign Language(4)	4	_	4	7- Foreign	
							Language(3)	
32	12	20	Total	35	11	24	Total	



		Thi	rd year - Control a	and Auto	mation En	gineering		
	Seco	nd Semeste	er	First Semester				
total	Practice	Theory	Course name	total	Practice	Theory	Course name	
	(hour)	(hour)			(hour)	(hour)		
4	2	2	1Electronic	6	2	4	1.Electronic	
			Circuits (2)				Circuits (1)	
6	2	4	2.Microprocesso	6	2	4	2. Digital and	
			r and its systems				Logical Systems	
6	2	4	3.Fundamentals	4	1	3	3.Automatic	
			of Engineering				Control theory	
4	_	4	4.Systems	6	2	4	4-Computer	
			Analysis				structure and	
							organization	
6	2	4	5.Automatic	4	2	2	5.Probability and	
			Control Systems				Statistic	
4	2	2	6.Electronic	2	_	2	6. Operational	
			Measurements				Research	
30	10	20	Total	28	9	19	Total	

		ŀ	Fourth year - Contr	ol and A	Automation	n Enginee	ring	
	Sec	ond Seme	ster	First Semester				
total	Practice	Theory	Course name	total	Practice	Theory	Course name	
	(hour)	(hour)			(hour)	(hour)		
4	1	3	1.Industrial	4	2	2	1. Peripheral Units of	
			Electronics				Computers	
4	2	2	2.Fuzzy Control	6	2	4	2.Operating Systems	
6	2	4	3.Computers	4	2	2	3.Special Electrical	
			Networks and				Machines	
			data					
			communication					
4	2	2	4. Software	4	1	3	4.Nonlinear Control	
			Engineering					
4	2	2	5.Database	6	2	4	5. Artificial	
							Intelligence	
6	2	4	6. Signal	6	2	4	6. Digital	
			processing				Communication	
28	11	17	Total	30	11	19	Total	



		Fi	fth year - Control a	nd Aut	omation En	gineering	5	
	Seco	nd Semest	ter	First Semester				
total	Practice	Theory	Course name	total	Practice	Theory	Course name	
	(hour)	(hour)			(hour)	(hour)		
4	_	4	1. Engineering	4	2	2	1. Neural Networks	
			Economy and					
			Business					
			Management					
4	1	3	2. Expert Systems	6	2	4	2. Advanced	
							Structure of	
							Computer	
4	1	3	3. Computer	6	2	4	3.Industrial	
			Vision				Networks and its	
							protocols	
				2	_	2	4.Reliability and	
							quality criteria	
				6	2	4	5. Robotic Systems	
							and Programming	
							Machines	
4	2	2	4. Final Project	4	2	2	6. Final Project	
16	4	12	Total	28	10	18	Total	

Chairman of Department of Computer Engineering and Automation