



Curriculum For The Bachelor Degree In Electrical Engineering/Computer 2020



Established 1997

Curriculum for the Bachelor Degree in Electrical Engineering/Computer

First Year					
First Semester			Second Semester		
Course No.	Course Title	Cr.H.	Course No.	Course Title	Cr.H.
AAL101	Applied Arabic (1)	3	IEC101	Innovation, Entrepreneurship, and	2
AEL101	Applied English (1)	3	AEL102	Applied English (2)	3
30201101	General Physics (1)	3	30201102	General Physics (2)	3
CS 101	Computer Skills and E-learning (distance)	1	BSE 0201	Programming for Engineers	3
30202101	Calculus (1)	3	30202102	Calculus (2)	3
30206101	General Chemistry (1)	3	NE101	National Education and University Behavior	3
30201111	General Physics Lab. (1)	1	30206102	General Chemistry Lab (1)	1
Total		17	Total		18

Second Year					
First Semester			Second Semester		
Course No.	Course Title	Cr.H.	Course No.	Course Title	Cr.H.
ELE 0211	Electrical Circuits (1)	3	ELE 0212	Electrical Circuits (2)	3
ELE 0213	Digital Logic Design	3	ELE 0214	Electrical Circuits Lab.	1
ELE 0205	Linear Algebra	3	ELE 0216	Electronics (1)	3
30202203	Ordinary Differential Equations (1)	3	ELE 0228	Microprocessors Systems	3
ELE 5251	Object Oriented Programming	3	ELE 5252	Data Structure and Algorithms	3
BSE 0205	Engineering Drawing	2	ELE 5216	Digital Logic Design Lab.	1
		-	ELE 5254	Data Structure and Algorithms lab	1
			BSE 0202	Statistics and Probabilities for Engineers	3
Total		17	Total		18



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Third Year					
First Semester			Second Semester		
Course No.	Course Title	Cr.H.	Course No.	Course Title	Cr.H.
ELE 0321	Systems and Signals	3	ELE 0322	Communication and Data Transmission	3
ELE 0313	Electronics Lab. (1)	1	ELE 0334	Control Systems	3
ELE 0335	Electrical Machines 1	3	BSE 0306	Numerical Methods	3
BSE 0203	Professional Writing and Professional Ethics	3	ELE 0328	Microprocessors systems Lab.	1
			ELE 5354	Data Base Systems	3
ELE 5361	Computer Architecture and Organization	3	ELE 5362	Operating Systems	3
BSE 0102	Engineering Workshop	1	ELE 5364	Computer Architecture and Organization Lab.	1
-	University Elective 1	3			
Total		17	Total		17

Fourth Year					
First Semester			Second Semester		
Course No.	Course Title	Cr.H.	Course No.	Course Title	Cr.H.
ELE 5467	Advanced Computer Architecture	3	ELE 0442	Field Training	3
ELE 5455	Data Base Systems Lab.	1	ELE 5454	Artificial Intelligence and Machine Learning Lab.	1
ELE 0431	Control Systems Lab.	1	ELE 6464	Computer Networks Lab.	1
BSE 0401	Engineering Economics	3	ELE 6466	Network Protocols	3
ELE 5461	Embedded Systems	3	ELE 6472	Fundamentals of Cyber Security	3
ELE 5453	Artificial Intelligence and Machine Learning	3	ELE 5462	Embedded Systems Lab.	1
ELE 6461	Fundamentals of Computer Networks	3	ELE 4314	Digital Electronics	3
		-	ELE 5466	Parallel Processing Systems	3
Total		17	Total		18



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Fifth Year					
First Semester			Second Semester		
Course No.	Course Title	Cr.H.	Course No.	Course Title	Cr.H.
ELE 0541	Graduation project 1	1	ELE 0542	Graduation project 2	3
ELE 5551	Advanced Programming	3	35001101	Military Sciences	3
ELE 5563	Parallel Processing Systems Lab.	1	-	Department Elective 3	3
-	Specification Elective 1	3	-	University Elective 2	3
-	Specification Elective 2	3			-
Total		11	Total		12