

B.Sc. Electrical Engineering - Study Plan

Year One	Semester 1			Semester 2			
	Course No.	Course Title	Credit	Course No.	Course Title	Credit	
	ENGL 100	Academic English	3	ENGL 110	English Composition 1	3	
ARAB 101	Arabic Language 1	3	GEN ED	Islamic Civilization and History Area	3		
CHEM 131	Chemistry + Lab	4	ENGG 150	Engineering Graphics	3		
MATH 110	College Algebra	3	MATH 131	Calculus I	3		
ENGG 100	Intro. To Engineering	3	PHYS 101	Physics I + Lab	4		
Total			16	Total			16

Year Two	Semester 1			Semester 2			
	Course No.	Course Title	Credit	Course No.	Course Title	Credit	
	ENGL 120	Research Writing	3	ELEC 200	Circuits Analysis + Lab	4	
PHYS 102	Physics II + Lab	4	MATH 231	Linear Algebra	3		
MATH 290	Engineering Statistics	3	MATH 233	Calculus 3	3		
MATH 132	Calculus II	3	MATH 331	Ordinary Differential Equations	3		
GEN ED	Social and Behavioral Science Area	3	GEN ED	Kuwait Knowledge Area	3		
Total			16	Total			16

Year Three	Semester 1			Semester 2			
	Course No.	Course Title	Credit	Course No.	Course Title	Credit	
	ELEC 336	Signals and Systems	3	MATH 364	Numerical Analysis in Engineering	3	
MATH 385	Mathematics for Electrical Engineering	3	ELEC 337	Introduction to Digital Signal Proc.	3		
ELEC 355	Electronics I + Lab	4	ELEC 347	Electromagnetic Theory	3		
CMPE 341	Fundamentals of Digital Logic	4	ELEC 357	Electronics II +Lab	4		
ELEC 354	Circuits and Systems	3	ELEC 450	Power System Analysis I+ Lab	4		
Total			17	Total			17

Year Four	Semester 1			Semester 2			
	Course No.	Course Title	Credit	Course No.	Course Title	Credit	
	ELEC 413	Energy Conversion + Lab	4	ELEC 417	Communications Theory	3	
ELEC 415	Control Theory I + Lab	4	CONC	Concentration Course	3		
CMPE 437	Microcontrollers & Embedded Sys. + Lab	4	CONC	Concentration Course	3		
CONC	Concentration Course	3	GEN ED	Humanities & Arts Area	3		
GEN ED	Social and Behavioral Science Area	3	GEN ED	Critical Thinking & Info. Area	3		
Total			18	Total			15

Year Five	Semester 1			Semester 2			
	Course No.	Course Title	Credit	Course No.	Course Title	Credit	
	ENGG 490	Engineering Internship/Capstone	4				
GEN ED	Humanities & Arts Area	3					
CONC	Concentration Course	3					
ENGG 301	Engineering Economy	3					
Total			13	Total			0

■ General Education ■ College of Engineering ■ Major

Total: 144 Credit Hours