

B.Sc. Industrial Engineering - Study Plan

Year One	Semester 1			Semester 2			
	Course No.	Course Title	Credit	Course No.	Course Title	Credit	
	ENGL 100	Academic English	3	GEN ED	Social and Behavioral Sciences Area	3	
	ARAB 101	Arabic Language 1	3	ENGL 110	English Composition	3	
	PHYS 101	Physics 1 + Lab	4	PHYS 102	Physics II + Lab	4	
	ENGG 100	Intro. to Engineering	3	MATH 131	Calculus I	3	
	MATH 110	College Algebra	3	CHEM 131	General Chemistry I	4	
Total			16	Total			17

Year Two	Semester 1			Semester 2			
	Course No.	Course Title	Credit	Course No.	Course Title	Credit	
	ENGL 120	Research Writing	3	ELEC 100	Fund. Of Electrical and Computer Eng.	3	
	MATH 290	Probability and Statistics for Engineers	3	MATH 231	Linear algebra	3	
	MECE 236	Introduction to Mechanics	3	MATH 233	Calculus III	3	
	MATH 132	Calculus II	3	GEN ED	Social and Behavioral Sciences Area	3	
	ENGG 150	Engineering Graphics	3	ENGG 301	Engineering Economy	3	
Total			15	Total			15

Year Three	Semester 1			Semester 2			
	Course No.	Course Title	Credit	Course No.	Course Title	Credit	
	GEN ED	State of Kuwait Knowledge	3	MATH 364	Numerical Analysis in Engineering	3	
	MATH 331	Ordinary Differential Equations	3	INDE 330	Financial and Cost Management	3	
	INDE 315	Supply Chain Design and Management	3	INDE 332	Manufacturing Processes 1	3	
	INDE 331	Analysis of Industrial Activities	3	INDE 333	Control and Automation + Lab	4	
	INDE 310	Statistical Process Quality Control	3	GEN ED	Islamic Civilization & History	3	
GEN ED	Humanities, Arts & Culture	3	Total			16	
Total			18	Total			16

Year Four	Semester 1			Semester 2			
	Course No.	Course Title	Credit	Course No.	Course Title	Credit	
	INDE 464	Big Data and Analytics	3	INDE 472	Operation Research and Control 1	3	
	GEN ED	Critical Thinking & Info.	3	CONC	Concentration Course	3	
	INDE 434	Industrial Engineering Systems Design	3	CONC	Concentration Course	3	
	INDE 381	Optimization methods	3	INDE 470	Simulation	3	
	INDE 462	Manufacturing Proc. 2 CAD/CAM + Lab	4	INDE 469	Facilities Planning and Design	3	
Total			16	Total			15

Year Five	Semester 1			Semester 2			
	Course No.	Course Title	Credit	Course No.	Course Title	Credit	
	ENGG 490	Engineering Capstone	4				
	INDE 480	Manufacturing Information Systems	3				
	CONC	Concentration Course	3				
	GEN ED	Humanities, Arts & Culture	3				
	CONC	Concentration Course	3				
Total			16	Total			0

■ General Education ■ College of Engineering ■ Major

Total: 144 Credit Hours