			Bachel	nneering y کلّیة الهندسة					
Student:		Effective: Fall 2025 College of Engineering							
Advisor:			ng Semes	ter:		Expected Graduation:			
4-Year Curi	riculum: 142 Credit Hours Total								
Freshman Year - Fall Semester					Freshman Year - Spring Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/ Transfer	Course Code	Course-Title	CRHs	Semester Taken	Retake/ Transfer
CHM 102	Introduction to Chemistry	3			SE 100	Programming for Engineers	3		
CHM 102 L	Introduction to Chemistry Lab	1			SE 100 L	Programming for Engineers Lab	1		
MAT 101	Calculus I	3			ME 201	Material Science and Engineering	3		
PHU 103	Mechanics and Waves for Engineers	3			ME 201 L	Material Science and Engineering Lab	1		
PHU 103 L	Mechanics and Waves for Engineers Lab	1			MAT 112	Calculus II	3		
ENG 101	University Writing	3			PHU 124	Electromagnetism and Optics for Engineers	3		
ARB 101	Arabic Language and Literature I	2			PHU 124 L	Electromagnetism and Optics for Engineers Lab	1		
	Total	16	ļ		ENG	English Elective Total	3 18	ļ	ļ
		10	[[10	[1
	Sophomore Year - Fall Semester					Sophomore Year - Spring Semester	_		
Course Code	Course-Title	CRHs	Semester Taken	Retake/ Transfer	Course Code	Course-Title	CRHs	Semester Taken	Retake/ Transfer
ME 203	Applied Mechanics I: Statics	3			EE 207	Foundations of Electrical Engineering	3		
ME 205	Introduction to Computer Aided Design	3			EE 207 L	Foundations of Electrical Engineering Lab	1		
ME 305	Manufacturing and Workshop Training	3			ME 206	Thermal Fluids Engineering I	3		
ME 305 L	Manufacturing and Workshop Training Lab	1			ME 206 L	Thermal Fluids Engineering I Lab	1		
MAT 211	Calculus III	3			ME 208	Mechanics of Materials I	3		
MAT 212	Linear Algebra	3			ME 208 L	Mechanics of Materials I Lab	1		
MAT 213	Differential Equations	3			MAT 224	Numerical Methods	3		
					STA 212	Probability and Statistics for Engineers	3		
	19				Total	18			
	Junior Year - Fall Semester					Junior Year - Spring Semester			
Course Code	Course-Title	CRHs	Semester Taken	Retake/ Transfer	Course Code	Course-Title	CRHs	Semester Taken	Retake/ Transfer
IE 301	Operations Research I	3	Taken	Transfer	IE 302	Operations Research II	3	Taken	mansier
IE 304	Production and Service Systems Planning I	3			IE 305	Production and Service Systems Planning II	3		
IE 307	Work Systems Analysis & Design	3			IE 315	Engineering Economy and Cost Analysis	3		
IE 307 L	Work Systems Analysis & Design Lab	1			IE 330	Simulation	3		
IE 309	Human Factors and Ergonomics	3			IE 330 L	Simulation Lab	1		
IE 309 L	Human Factors and Ergonomics	1			ME 308	Advanced Manufacturing Processes	3		
ENG 222	Technical Writing	3				Advanced Manufacturing Processes Lab	1		
ISL 101	Islamic Studies I	2					-		
	Total	19	ł	ļ		Total	17		1
	1								
	Junior Year - Summer Semester		Semester	Retake/					
Course Code	Course-Title	CRHs	Semester Taken	Retake/ Transfer					
IE 390	Industrial Engineering Summer Internship	0	ļ	Ļ	ļ				
	Total	0							
Senior Year - Fall Semester					Senior Year - Spring Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/ Transfer	Course Code	Course-Title	CRHs	Semester Taken	Retake/ Transfer
IE 401	Network Models and Project Management	3			IE 406	Quality Engineering	3		
IE 415	Production Information Systems	3			IE 450	Management for Engineers	3		
IE 4	Technical Elective	3			IE 4	Technical Elective	3		
IE 4	Technical Elective	3			IE 496	Industrial Engineering Capstone Project II	3		
IE 495	Industrial Engineering Capstone Project I	3			ME 306	Instrumentation and Control Engineering	3		
			1		NAE 200 I	Instrumentation and Control Engineering Lab	1		
	General Education Elective I	2			ME 306 L	instrumentation and control Engineering Lab	-		
	General Education Elective I	2			IVIE 306 L	General Education Elective II	2		

