

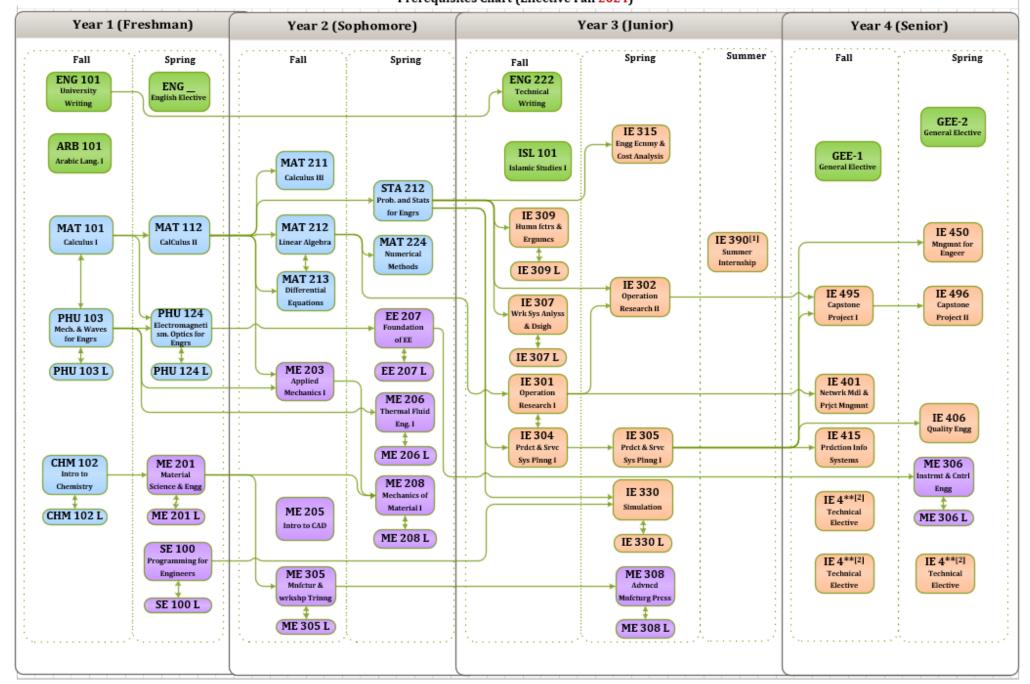
Alfaisal University

المعاد الفيصل Altaisal University		,	васпеі	Study P	lustriai Eng lan Summa ve: <mark>Fall 202</mark>	College of Engineering and Ac				
Student:		ID#:				Email:				
0 -1										
Advisor:		Starti	ng Semes	iter:		Expected Graduation:				
4-Year Cur	riculum: 142 Credit Hours Total Freshman Year - Fall Semester					Frachman Voar - Spring Samostor				
Course Code	Course-Title	CRHs	Semester	Retake/	Course Code	Freshman Year - Spring Semester Course-Title	CRHs	Semester	Retake	
CHM 102	Introduction to Chemistry	3	Taken	Transfer	SE 100	Programming for Engineers	3	Taken	Transfe	
	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 I	2			PHU 124 L		1			
					ENG	English Elective	3			
	Total	16				Total	18			
	Total	10				Total				
	Sophomore Year - Fall Semester			1		Sophomore Year - Spring Semester		T		
Course Code	Course-Title	CRHs	Semester Taken	Retake/ Transfer	Course Code	Course-Title	CRHs	Semester Taken	Retake Transfe	
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	<u> </u>	_	
MAT 213	Differential Equations	3			MAT 224	Numerical Methods	3			
					STA 212	Probability and Statistics for Engineers	3		-	
	Total	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 Transfe	
IE 301	Operations Research I	3			IE 302	Operations Research II	3			
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			ME 308 L	Advanced Manufacturing Processes Lab	1			
ISL 101	Islamic Studies I	2								
	Total	19	•	•		Total	17	-		
	Junior Year - Summer Semester									
Course Code	Course-Title	CRHs	Semester Taken	Retake/ Transfer						
IE 390	Industrial Engineering Summer Internship	0								
	Total	0	1							
	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 Transfe	
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			

	Total	17		
	General Education Elective I	2		
IE 495	Industrial Engineering Capstone Project I	3		
IE 4	Technical Elective	3		
IE 4	Technical Elective	3		
IE 415	Production Information Systems	3		
IE 401	Network Models and Project Management	3		
Course Code	Course-Title	CRHs	Semester Taken	Transfer

Course Code	Course-Title	CRHs	Semester Taken	Retake/ Transfer
IE 406	Quality Engineering	3		
IE 450	Management for Engineers	3		
IE 4	Technical Elective	3		
IE 496	Industrial Engineering Capstone Project II	3		
ME 306	Instrumentation and Control Engineering	3		
ME 306 L	Instrumentation and Control Engineering Lab	1		
	General Education Elective II	2		
	Total	18		

Alfaisal University - Bachelor of Industrial Engineering Prerequisites Chart (Effective Fall 2024)



GEE 1&2: Please check the list of courses & prerequisite list on the website