



Student:	ID#:	Email:
Advisor:	Starting Semester:	Expected Graduation:

4-Year Curriculum: 152 Credit Hours Total

Freshman Year - Fall Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
SE 100	Programming for Engineers	3		
SE 100 L	Programming for Engineers Lab	1		
CHM 102	Introduction to Chemistry	3		
CHM 102 L	Introduction to Chemistry Lab	1		
MAT 101	Calculus I	3		
PHU 103	Mechanics and Waves for Engineers	3		
PHU 103 L	Mechanics and Waves for Engineers Lab	1		
ENG 101	Freshman English I	3		
Total		18		

Freshman Year - Spring Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
ARE 110	Architectural History and Theories	3		
ARE 120	Drafting and Drawing	1		
ARE 120 S	Drafting and Drawing Studio	2		
ME 201	Material Science and Engineering	3		
ME 201 L	Material Science and Engineering Lab	1		
MAT 112	Calculus II	3		
PHU 124	Electromagnetism and Optics for Engineers	3		
PHU 124 L	Electromagnetism and Optics for Engineers Lab	1		
ENG 112	Freshman English II	3		
Total		20		

Sophomore Year - Fall Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
ARE 201	Architectural Design I	3		
ARE 231	Building Materials and Construction Technology	3		
ARE 232	Building Construction	3		
EE 207	Foundations of Electrical Engineering	3		
EE 207 L	Foundations of Electrical Engineering Lab	1		
ME 203	Applied Mechanics I: Statics	3		
MAT 211	Calculus III	3		
Total		19		

Sophomore Year - Spring Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
ARE 202	Architectural Design II	3		
ARE 220	Construction Drawing (CAD)	2		
ARE 220 S	Construction Drawing (CAD) Studio	2		
ARE 297	Architecture and Buildings	3		
ME 206	Thermal Fluids Engineering I	3		
ME 206 L	Thermal Fluids Engineering I Lab	1		
ARB 101	Arabic Language and Literature I	2		
ENG 222	Technical Writing	3		
Total		19		

Junior Year - Fall Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
ARE 303	Interior Design	2		
ARE 303 S	Interior Design Studio	1		
ARE 355	Quantity Surveying	3		
ARE 3 __	Technical Elective	3		
ME 407	Heating, Ventilation, and Air-Conditioning	3		
MAT 212	Linear Algebra	3		
MAT 213	Differential Equations	3		
ISL 101	Islamic Studies I	2		
Total		20		

Junior Year - Spring Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
ARE 311	Building Acoustics	3		
ARE 313	Electrical Installations	3		
ARE 315	Lighting Systems and Applications	3		
ARE 321	Structural Mechanics	3		
ARE 321 L	Structural Mechanics Lab	1		
ARE 332	Building Services Engineering	3		
ARE 332 L	Building Services Engineering Lab	1		
ARE 341	The Built Environment	3		
Total		20		

Junior Year - Summer Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
ARE 390	Architectural Engineering Summer Internship	0		
Total		0		

Senior Year - Fall Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
ARE 405	Structural Analysis	3		
ARE 409	Project Management and Economics	3		
ARE 410	Contracts and Liabilities for Buildings and Construction	3		
ARE 412	Environmental Management and Policy	3		
ARE 450	Introduction to Geotechnical Engineering	3		
ARE 450 L	Introduction to Geotechnical Engineering Lab	1		
ARE 491	Architectural Engineering Capstone Project I	2		
Total		18		

Senior Year - Spring Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
ARE 465	Management Principles in Building Engineering	3		
ARE 492	Architectural Engineering Capstone Project II	2		
ARE ___	Technical Elective	3		
ARE ___	Technical Elective	3		
MAT 224	Numerical Methods	3		
ARB 112	Arabic Language and Literature II	2		
ISL 112	Islamic Studies II	2		
Total		18		

Alfaisal University – Bachelor of Architectural Engineering Prerequisites Chart (Effective Fall 2019)

