



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

4-Year Curriculum: 137 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	University Writing	3		
<b>Total</b>		<b>18</b>		

Freshman Year - Spring Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
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		
ARB 101	Arabic Language and Literature I	2		
ENG ____	Freshman Elective	3		
<b>Total</b>		<b>16</b>		

Sophomore Year - Fall Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
EE 207	Foundations of Electrical Engineering	3		
EE 207 L	Foundations of Electrical Engineering Lab	1		
MAT 211	Calculus III	3		
MAT 212	Linear Algebra	3		
MAT 213	Differential Equations	3		
ENG 222	Technical Writing	3		
ISL 101	Islamic Studies I	2		
<b>Total</b>		<b>18</b>		

Sophomore Year - Spring Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
EE 208	Electric Circuits	3		
EE 209	Applied Electromagnetics	3		
EE 210	Digital Logic Systems	3		
EE 210 L	Digital Logic Systems Lab	1		
MAT 224	Numerical Methods	3		
STA 212	Probability and Statistics	3		
____	General Elective	2		
<b>Total</b>		<b>18</b>		

Junior Year - Fall Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
EE 301	Signals and Systems	3		
EE 303	Intro to Electronics	3		
EE 303 L	Intro to Electronics Lab	1		
EE 305	Computer Networks	3		
EE 305 L	Computer Networks Lab	1		
EE 307	Computer Architecture	3		
EE 307 L	Computer Architecture Lab	1		
____	General Education Elective II	2		
<b>Total</b>		<b>17</b>		

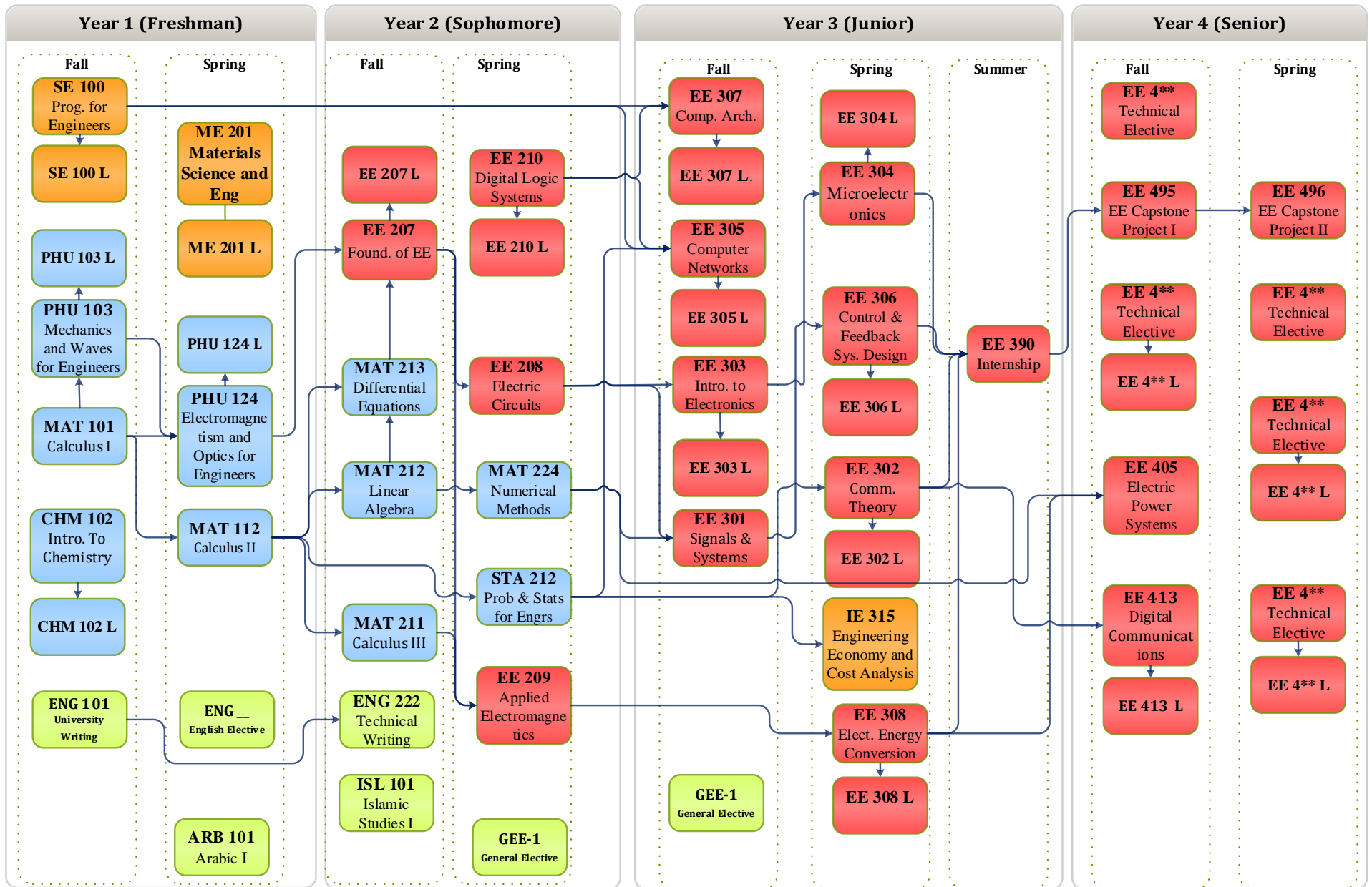
Junior Year - Spring Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
EE 302	Communications Theory	3		
EE 302 L	Communications Theory Lab	1		
EE 304	Microelectronics	3		
EE 304 L	Microelectronics Lab	1		
EE 306	Control and Feedback System Design	3		
EE 306 L	Control and Feedback System Design Lab	1		
EE 308	Electrical Energy Conversion	3		
EE 308 L	Electrical Energy Conversion Lab	1		
IE 315	Engineering Economy and Cost Analysis	3		
<b>Total</b>		<b>19</b>		

Junior Year - Summer Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
EE 390	Electrical Engineering Summer Internship	0		
<b>Total</b>		<b>0</b>		

Senior Year - Fall Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
EE 495	Electrical Engineering Capstone Project I	3		
EE 405	Electric Power Systems	3		
EE 413	Digital Communications	3		
EE 413 L	Digital Communications Lab	1		
4**TE	EE Elective	3		
4**TE	EE Elective	3		
<b>Total</b>		<b>16</b>		

Senior Year - Spring Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/Transfer
EE 496	Electrical Engineering Capstone Project II	3		
4**TE	EE Elective	3		
4**TE L	EE Elective Lab	1		
4**TE	EE Elective	3		
4**TE L	EE Elective Lab	1		
4**TE	EE Elective	3		
4**TE L	EE Elective Lab	1		
<b>Total</b>		<b>15</b>		

**Alfaisal University – Bachelor of Electrical Engineering**  
**Prerequisites Chart (Effective Fall 2025)**



Note: Each EE 4\*\* EE technical electives has its own prerequisite from the third year courses, refer to the study plan.