



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

4-Year Curriculum: 133 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
SE 100	Programming for Engineers	3			SE 120	Object-Oriented Programming I	3		
SE 100 L	Programming for Engineers Lab	1			SE 120 L	Object-Oriented Programming I Lab	1		
MAT 101	Calculus I	3			SE 151	Discrete Mathematics	3		
PHU 103	Mechanics and Waves for Engineers	3			MAT 112	Calculus II	3		
PHU 103 L	Mechanics and Waves for Engineers Lab	1			EE 210	Digital Logic Design	3		
ENG 101	University Writing	3			EE 210 L	Digital Logic Design Lab	1		
ISL 101	Islamic Studies I	2			ENG 222	Technical Writing	3		
GE _ _ _	General Education Elective I	2							
Total		18			Total		17		

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
DSE 200	Introduction to Data Science	3			DSE 201	Data Visualization	3		
DSE 212	Probability and Statistics for Engineers	3			AI 213	Introduction to Artificial Intelligence	3		
SE 215	Data Structures	3			CSE 330	Introduction to Cybersecurity	3		
SE 215 L	Data Structures Lab	1			SE 252	Database Management Systems	3		
SE 239	Computer Networks	3			SE 252 L	Database Management Systems Lab	1		
MAT 211	Calculus III	3			SE 254	Operating Systems	3		
MAT 212	Linear Algebra	3			SE 254 L	Operating Systems Lab	1		
Total		19			Total		17		

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
SE 201	Introduction to Software Engineering	3			AI 346	Introduction to Big Data	3		
SE 301	Analysis of Algorithms	3			AI 347	Introduction to Machine Learning	3		
SE 316	Application Development	3			AI 360	Agent Based Systems	3		
AI 317	Computer Vision	3			AI 361	Human Centered AI	3		
AI 320	Data Mining	3			AI _ _ _	Technical Elective 1	3		
ARB 101	Arabic Language and Literature I	2							
Total		17			Total		15		

Junior Year - Summer Semester				
Course Code	Course-Title	CRHs	Semester Taken	Retake/ Transfer
AI 390	Software Engineering Summer Internship	0		
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
SE 400	Theory of Computation	3			AI 480	Natural Language Processing	3		
AI 455	Generative AI	3			SE 481	Ethics and Professional Development	1		
AI 475	Game Theory	3			AI _ _ _	Technical Elective 3	3		
AI _ _ _	Technical Elective 2	3			AI _ _ _	Technical Elective 4	3		
AI 495	Software Engineering Capstone Project I	3			AI 496	Software Engineering Capstone Project II	3		
					GE _ _ _	General Education Elective II	2		
Total		15			Total		15		

Year 1 (Freshman)		Year 2 (Sophomore)		Year 3 (Junior)		Year 4 (Senior)	
Fall	Spring	Fall	Spring	Fall	Spring	Summer	Fall
ENG 101 University Writing ISL 101 Islamic Studies I GE --- General Ed. Elective I	ENG 222 Technical Writing	MAT 211 Calculus III MAT 212 Linear Algebra DSE 212 Probability and Stats for Engrs.	MAT 211 Calculus III MAT 212 Linear Algebra DSE 212 Probability and Stats for Engrs.	ARB 101 Arabic Lang. I			
MAT 101 Calculus I	MAT 112 Calculus II EE 210 L	DSE 200 Introduction to Data Science DSE 201 Data Visualization	CSE 330 Introduction to Cybersecurity	AI 320 Data Mining AI 360 Agent Based Systems	AI 346 Introduction to Big Data AI 347 Introduction to Machine Learning	AI 390 Summer Internship	SE 400 Theory of Computation AI 480 Natural Lang. Processing
PHU 103 Mech. & Waves for Engrs	EE 210 Digital Logic Design SE 151 Discrete Mathematics	SE 239 Computer Networks	SE 254 Operating Systems SE 252 Database Management Sys.	AI 317 Computer Vision SE 316 Application Dev.	AI 455 Generative AI SE 481 Ethics and Professional Dev.		AI 495 Capstone Project I AI 496 Capstone Project II
SE 100 Programming for Engineers SE 100 L	SE 120 Object Oriented Prog. I SE 120 L	SE 215 Data Structures SE 215 L	AI 213 Introduction to AI SE 201 Intro. to Software Engineering	AI 4**[1] Technical Elective 1 AI 361 Human Centered AI	AI 475 Game Theory AI 4**[1] Technical Elective 2		AI 475 Game Theory AI 4**[1] Technical Elective 3

[1]: Prerequisites vary per course

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