Study Plan for BSISE

ISE 350 ISE 495bx WRIT 340 ISE Approved Electi	Senior Design Project Advanced Writing	2 4 <u>4</u> 14
ISE 495bx	Senior Design Project	
		2
ISE 350	opics and reactions of cystoms Engineering	
	Principles and Practices of Systems Engineering	4
Fourth Year, Fall Se		
Free Elective		<u>4</u> 18
	Category A,D,C,G, or 11	
General education	Category A,B,C,G, or H	4
PHYS 152L	Fundamentals of Physics II: Electricity and Magnetism	4
ISE 495ax	Senior Design Project	2
ISE 435	Discrete Systems Simulation	4
Third Year, Spring S	emester	10
MATH 226	Calculus III	<u>4</u> 16
ISE 382	Database Systems: Storage and Retrieval using SQL	4
ISE 370L	Human Factors in Work and Systems Design	4
ISE 315	Engineering Project Management	4
Third Year, Fall Sem		4
Third Voor Foll Com	octor	16
Free Elective		<u>4</u> 16
General education	Category A,B,C,G, or H	4
ISE 330	Optimization	4
ISE 225	Foundations of Data Analysis	4
Second Year, Spring		A
Second Voor Spring	Samastar	10
General education	Category A,B,C,G, or H	<u>4</u> 16
	•	
CHEM 105aL	General Chemistry	4
MASC 110L	Materials Science, or	4
MATH 225	Foundations of Probability Modeling Linear Algebra and Linear Differential Equations	4 4
Second Year. Fall S ISE 220		A
Second Veer Fell C	omostor	10
General education	Category A,D,C,G, Or IT	<u>4</u> 16
General education	Category A,B,C,G, or H	4 1
PHYS 151L	Fundamentals of Physics I: Mechanics and Thermodynamics	4
MATH 126	Calculus II	4
First Year, Spring Series 150	Solving Engineering Problems using Python	4
First Voor Spring Sc	omester	10
General education	Category A,D,C,G, or F	<u>4</u> 16
General education	Writing and Critical Reasoning Category A,B,C,G, or H	4
WRIT 150		
MATH 125	Calculus I	4
ENGR 102	Introduction to Industrial and Systems Engineering (Fall only) Engineering Freshman Academy (Fall only)	2 2
ISE 105		• •

10 Revised 6/15/24