

B.S., Artificial Intelligence

AI SYSTEMS & OPERATIONS

1 st Year		2 nd Year		3 rd Year		4 th Year	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
WRIT 150	GE	EE 109	PHYS 151 (GE E)	ISE 225	BIOLOGY OPTION (GE D)	GE	GE
MATH 125 (GE F)	MATH 129	MATH 229	ISE 220	ISE 227	WRIT 340	GE	FREE ELECTIVE
CSCI 113	CSCI 114	CSCI 170	CSCI 360	CSCI 270	CSCI 467 OR EE 460	ISE 382	ISE 430
ENGR 103	EE 141	GE	ISE 330	EIS 370	ISE 325	ISE 315, 435, 440, OR 470	ISE 480
ENGR 102	OPTIONAL ELECTIVE	ENGR 203	OPTIONAL ELECTIVE	OPTIONAL ELECTIVE	OPTIONAL ELECTIVE	OPTIONAL ELECTIVE	

MATHEMATICS & SCIENCE

MATH 125 Calculus I

MATH 129 Calculus II

MATH 229 Calculus III

BIOLOGY OPTION: BISC 104, 120, 220, 230, or HBIO 205

PHYS 151: Mechanics & Thermodynamics

GENERAL EDUCATION & WRITING

GE A The Arts (1 Course)

GE B Humanistic Inquiry (2 Courses)

GE C Social Analysis (2 Courses)

GE D Life Sciences (1 Course)

GE E Physical Sciences (1 Course)

GE G, H Global Perspectives (2 Courses)

GESM General Education Seminar (1 Course)

WRIT 150 Writing and Critical Reasoning

WRIT 340 Advanced Writing

AI CORE

CSCI 113 Programming Fundamentals for Computing

CSCI 114 Programming for Applications of Computing

CSCI 170 Discrete Methods in Comp. Science

CSCI 270 Intro to Algorithms & Theory of Computing

CSCI 360 Introduction to Artificial Intelligence

EE 109 Introduction to Embedded Systems

EE 141 Applied Linear Algebra for Engineering

ENGR 102 Engineering Freshman Academy

ENGR 103 Introduction to Artificial Intelligence

ENGR 203 Artificial Intelligence

ISE 220 Probability Concepts in Engineering

ISE 225 Foundations of Data Analysis

ISE 330 Introduction to Optimization

EIS 370 Ethical Issues in Artificial Intelligence

AI SYSTEMS & OPERATIONS

ISE 227 Business Processing Engineering

ISE 325 Modeling for Predictive Analytics

ISE 382 Database Systems: Storage & Retrieval using SQL

ISE 430 Advanced Analytics

ISE 480 Data Engineering

CHOOSE ONE OF THE FOLLOWING:

ISE 315 Engineering Project Management

ISE 435 Discrete Systems Simulation

ISE 440 Socio-Technical Systems and Work Organizations

ISE 470 Human/Computer Interface Design