

1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year		4 <sup>th</sup> 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	CSCI 201	WRIT 340	GE	FREE ELECTIVE
CSCI 113	CSCI 114	CSCI 170	CSCI 360	CSCI 270	CSCI 467 OR EE 460	TRACK COURSE OPTION	TRACK COURSE OPTION
ENGR 103	EE 141	GE	ISE 330	EIS 370	TRACK COURSE OPTION	TRACK COURSE OPTION	CSCI 460
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, 121, 220, 230, HBIO 205, or PHIL 246

**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

**COMPUTING FOUNDATIONS & APPLICATIONS TRACK**

**CSCI 201** Principles of Software Development

**CSCI 460** Capstone: AI Solutions to Complex Problems

**CHOOSE 4 OF THE FOLLOWING:**

**CSCI 444** Natural Language Processing

**CSCI 445** Foundations of Robotics

**CSCI 452** Parallel and Distributed Computation

**CSCI 461** Artificial Intelligence for Sustainable Development

**CSCI 468** Trustworthy Artificial Intelligence

**CSCI 469** Computer Vision

**EE 456** Reinforcement Learning and Applications