

**Bachelor of Science in Artificial Intelligence (Effective Fall 2024)**

UNIVERSITY CORE REQUIREMENTS		MAJOR CORE REQUIREMENTS	
	HR		HR
EN 1103 English Composition I or EN 1104 Expanded English Composition I	3	CSE 1284 Introduction to Computer Programming	4
EN 1113 English Composition II or EN 1173 Accelerated Composition II	3	CSE 1384 Intermediate Computer Programming	4
Creative Discovery (Any course satisfying Creative Discovery)	3	CSE 2213 Methods & Tools in Software Development	3
CH 1213 Chemistry I and CH 1211 Invest in Chemistry I (2 labs required from Gen Ed)	4	CSE 2383 Data Structures and Analysis of Algorithms	3
BIO 1134 Biology 1 (2 labs required from Gen Ed)	4	CSE 2813 Discrete Structures	3
MA 1713 Calculus I	3	CSE 3683 AI Fundamentals	3
Humanities (Any course satisfying Humanities)	3	CSE 3763 Legal & Ethical Issues in Computing	3
Humanities (Any course satisfying Humanities)	3	CSE 3613 AI Capstone I	3
Social/Behavioral Science (Any course satisfying Social/Behavioral Science)	3	CSE 3623 AI Capstone II	3
Social/Behavioral Science (Any course satisfying Social/Behavioral Science)	3	CSE 4633 Intro to AI	3
<b>UNIVERSITY CORE REQUIREMENTS</b>	<b>32</b>	CSE 4643 AI Robotics	3
		CSE 4653 Cognitive Science	3
<b>DEPARTMENTAL NON-CSE REQUIREMENTS</b>		CSE 4663 Human Computer Interaction	3
MA 1723 Calculus II	3	CSE 4683 Machine Learning and Soft Computing	3
MA 3113 Linear Algebra	3	CSE 4693 Intro to Machine Learning	3
MA 4143 Graph Theory	3	CSE 4833 Intro to Algorithms	3
GE 3513 Technical Writing	3	Cognitive Science Elective (Choose 1): PSY 3723 Cognitive Neuroscience PSY 4753 Applied Cognitive Psychology PSY 4713 Language and Thought PSY 4733 Memory	3
IE 4113 Human Factors Engineering	3	AI Elective (Choose 4): CSE 4293 AI for Cybersecurity IE 4683 Machine Learning with Industrial Engineering Applications IE 4743 Engineering Design Optimization MA 4183 Mathematical Foundations of Machine Learning PSY 3723 Cognitive Neuroscience PSY 4753 Applied Cognitive Psychology PSY 4713 Language and Thought	12
IE 4613 Engineering Stats I	3		
IE 4623 Engineering Stats II	3		
IE 4733 Linear Programming	3		
<b>DEPARTMENTAL NON-CSE REQUIREMENTS</b>	<b>24</b>	<b>TOTAL CSE REQUIREMENTS</b>	<b>65</b>
<b>TOTAL HOURS IN THE B.S. ARTIFICIAL INTELLIGENCE PROGRAM</b>			<b>121</b>