

**Department of Computer Systems Technology**  
**Bachelor of Science in Artificial Intelligence - Applied AI Track**

**Major Code: AAAI**

**Curriculum Guide**

<b>Freshman Year: First Semester</b>			<b>Freshman Year: Second Semester</b>		
ENGL 100	Ideas & Their Expressions I (WC)	3	ENGL 101	Ideas & Their Expressions II (WC)	3
MATH 110	Pre-Calculus for Engineers and Or Scientists Or	4	MATH 224	Introduction to Probability and Statistics	3
MATH 131	Calculus I				
FRST 101	College Success (SS)	1	AAAI 150	Ethics in AI	3
CST 140	Introduction to Computer	3	MATH 131	Calculus I	4
Or COMP 163	Programming		Or MATH 132	Or Calculus II	
CST 130	Introduction to Unix/Linux	3	CST 240	Applied Java Programming	3
			Or COMP 167	Or Computer Program Design	
<b>Total</b>		<b>14</b>	<b>Total</b>		<b>16</b>
<b>Sophomore Year: First Semester</b>			<b>Sophomore Year: Second and Summer Semesters</b>		
	Humanities and Fine Arts Elective (HFA)	3		Scientific Reasoning Elective (SR)	3
	PHYS 225/235-College Physics I with lab (SR) or any science general education course with lab	4	STAT 327	Regression Analysis	3
	Global Awareness Elective (GL)	3	Or MATH 351	Or Linear Algebra and Matrix Theory	
COMP 180	Discrete Structures	3	COMP 280	Data Structures	3
			AAAI 250	Intro to Artificial Intelligence	3
STAT 324	Statistical Methods for Data Analysis	3		African American History (AA)	3
			AAAI 200	Industrial Experience	1
			(Summer I or II)		
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>
<b>Junior Year: First Semester</b>			<b>Junior Year: Second and Summer Semesters</b>		
AAAI 350	Machine Learning	3		Business or Management Electives	3
CST 315	Network Security for Information Technology Professionals Concentration 1 Applied AI in Engineering and Technologies Course I Concentration 2 AI for Digital Art, Design and Sciences Course I Concentration 3 Data Analytics Course I	3	AAAI 380	Recent Trends in Deep Learning	3
			ENGL 331	Technical Writing	3
				Concentration Course II	3
				AI Elective Course I	3
<b>Total</b>		<b>15</b>	AAAI 300	Industrial Experience	1
			(Summer I or II)		
			<b>Total</b>		<b>16</b>
<b>Senior Year: First Semester</b>			<b>Senior Year: Second Semester</b>		
AAAI 494	Capstone I Course	3	AAAI 495	Capstone II Course	3
	Concentration Course III	3		Free Elective II	3
	AI Elective Course II	3		Concentration Course IV	3
	Social/Behavior Sciences Elective (SBC)	3		AI Elective Course III	3
	Free Elective I	3			
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>12</b>

**Total Credit Hours: 120**