

B.S. Information Technology Degree, Applied AI concentration

This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.

First Year

Fall

Course	Prerequisite	Credit
SAT 1000 Intro to Applied Computing		1
SAT 1700 Cyber Ethics		3
CS 1121 Intro to Programming I	≥MA1031(c)	3
MA 1160 Calculus w/Technology I	placement	4
UN 1015 Composition		3
Total		14

Spring

Course	Prerequisite	Credit
CS 1122 Intro to Programming II	CS1121	3
EET 1411 Basic Electronics		3
SAT 1610 Computer & OS Architecture		3
Professional development elective	UN1015	3
MA 2720 Statistical Methods	≥MA1031(c)	4
Total		16

Second Year

Fall

Course	Prerequisite	Credit
SAT 2711 Linux Fundamentals	CS1121	3
SAT 2343 Network Administration I	none	3
EET 2411 Digital Electronics	EET1411	3
MA 2320 Elementary Linear Algebra	≥MA1160(c)	2
EssEd: Natural and Physical Science		3
EssEd: Activities for Wellbeing&Success		1
Total		15

Spring

Course	Prerequisite	Credit
SAT 2511 Microsoft System Admin	SAT2343	3
SAT 3210 Database Management	CS1121	3
SAT 3310 Scripting Admin & Automation	CS1121	3
SAT 3812 Cyber Security I	SAT2711	3
DATA 1200 Data Science with Python	≥MA1030(c)	3
Total		15

Third Year

Fall

Course	Prerequisite	Credit
SAT 3611 Infrastructure Service Admin	SAT2711	3
DATA 2201 Foundations of Data Sci	DATA1200	3
EssEd: Intercultural Competency		3
EssEd: Arts & Culture		3
Free Elective		3
EssEd: Activities for Wellbeing&Success		1
Total		16

Spring

Course	Prerequisite	Credit
SAT 3830 Discrete Structures for Comp	SAT3310	1
SAT 4411 Data Center Operations	SAT3611	3
CS 2800 Intro to Artificial Intelligence	TBA	3
Free Elective		3
Essential Education: SHAPE		3
Essential Education: Experience		3
Total		16

Fourth Year

Fall

Course	Prerequisite	Credit
SAT 4480 Senior Project I	SAT3812(c)	3
SAT 4816 Digital Forensics	SAT3812	3
Technical Elective	varies	3
EET 4501 Applied Machine Learning	SAT3310	3
MIS 4000 AI & Emerging Tech in Bus	CS1122	3
EssEd: Activities for Wellbeing&Success		1
Total		16

Spring

Course	Prerequisite	Credit
SAT 4880 Senior Project II	SAT4480	3
MIS 3200 System Analysis and Design	CS1122	3
SAT 3903 AI Tools and Applications	none	3
Technical Elective	varies	3
Free Elective		3
Total		15

Grand Total = 120 + 3 Credits