

ARTIFICIAL INTELLIGENCE, BS

Campus: NYC, Westchester

Major Map represents the standard course sequence for students pursuing this degree. Slight variations in the sequence may occur due to prerequisites, placement exam results, and AP/transfer credits.

Course	Title	Credits
First Year		
Fall		
UNV 101	First-Year Seminar: Introduction to University Community	1
CS 121	Introduction to Computer Science	4
CS 113	Mathematical Structures for Computer Science	4
ENG 110	Composition	3
General Core		3
Credits		15
Spring		
CS 122	Object-Oriented Programming	4
ENG 120	Critical Writing	4
MAT 131	Calculus I	4
Learning Community		6
Credits		18
Second Year		
Fall		
CS 241	Data Structures and Algorithms	4
CS 312	Research Methods and Ethics in Computing	3
MAT 238	Linear Algebra	4
Language I		3
Credits		14
Spring		
CS 242	Algorithms and Computing Theory	4
CS 385	Artificial Intelligence I	4
MAT 234	Introduction to Probability and Statistical Analysis	4
Language II		3
Credits		15
Third Year		
Fall		
CS 327	Introduction to Neural Networks	4
CS 377	Mathematical Foundations of Machine Learning	4
MAT 234	Introduction to Probability and Statistical Analysis	4
ENG 201	Writing in the Disciplines	3
Credits		15
Spring		
CS 326	Introduction to Computer Vision Pattern Recognition	4
CS 387	Database Design	4
COM 200	Public Speaking	3
Lab Science		4
Credits		15
Fourth Year		
Fall		
CS Elective		4
General Core (2 courses)		6

Open Elective		3
Civic Engagement		3
Credits		16
Spring		
CS 495	AI Capstone	4
CS Elective		4
Open Elective		4
Credits		12
Total Credits		120