

B.S. in Artificial Intelligence Curriculum Sequence

First Year	
Fall	Spring
CPS 101: Intro to Computer Programming (3 credits) CPS 200: Technology and Society (3 credits) MTH 171: Calculus I (4 credits) WRT 101: (3 credits) PHL 100: (3 credits)	MTH 115: Basic Statistics (3 credits) CPS 121: Computer Programming (3 credits) CPS 222: Intro to Computer Organization (3 credits) Core WoK (3 credits) RLS 121: Core (3 credits)
Total Credits: 16	Total Credits: 15
Second Year	
Fall	Spring
CPS 310: Man. App. Of Object-Oriented Prog. I (3 credits) MTH 2XX: Mathematics for Computational Sciences (3 credits) MTH 116: Basic Statistics II (3 credits) AI 3XX: Intro. to Artificial Intelligence I (3 credits) Core WoK (3 credits)	CPS 322: Data Structures (3 credits) MTH 210: Discrete Structures (3 credits) AI 3YY: Intro to Machine Learning (3 credits) Core WoK (3 credits) Core WoK (3 credits)
Total Credits: 15	Total Credits: 15
Third Year	
Fall	Spring
AI 4XX: Advanced Artificial Intelligence (3 credits) CPS 321: Operating Systems and Computer Architecture (3 credits) CPS 331: Org. of Programming Languages (3 credits) PHY 221: General Physics I (4 credits) Core (3 credits)	CPS 362: Intro. to Scientific Programming (3 credits) AI 4YY: Advanced Machine Learning (3 credits) CPS 3ZZ: Intro. to High Performance Computing (3 credits) AI Elective (3 credits) Free Elective (3 credits)
Total Credits: 16	Total Credits 15
Fourth Year	
Fall	Spring
CPS 432: Database Management System Design (3 credits) Core SE (3 credits) AI Elective (3 credits) AI Elective (3 credits) Free elective (3 credits)	CPS 431: Software Design and Development (3 credits) Core 300: Core Capstone (3 credits) AI Elective (3 credits) Core Elective (3 credits) Free elective (1 credits)
Total Credits 15	Total Credits 13
	Total Credits: 120