

ARTIFICIAL INTELLIGENCE MINOR

The AI minor is open to undergraduate students in all Northwestern majors, except students completing a BS in Computer Science or the WCAS Computer Science major. Those students can simply complete the artificial intelligence concentration (<https://www.mccormick.northwestern.edu/computer-science/documents/undergraduate/computer-science-concentrations.pdf>) within their computer science major/degree.

At least 4 units of coursework must be unique to this minor program. These units cannot be applied to any other minor or certificate program, or the major requirements of any degree program. Such coursework may fulfill McCormick Social Sciences/Humanities (Theme), WCAS distribution requirements, or other unrestricted electives.

Course	Title
Prerequisites (4 units)	
MATH 220-1	Single-Variable Differential Calculus
MATH 228-1 or MATH 230-1	Multivariable Differential Calculus for Engineering Multivariable Differential Calculus
MATH 240-0 or GEN_ENG 205-1	Linear Algebra Engineering Analysis I
IEMS 201-0 or IEMS 303-0 or ELEC_ENG 302-0 or STAT 210-0 or MATH 310-1	Introduction to Statistics Statistics Probabilistic Systems Introduction to Probability and Statistics Probability and Stochastic Processes
Minor Requirements (8 units)	
COMP_SCI 111-0	Fundamentals of Computer Programming
COMP_SCI 150-0	Fundamentals of Computer Programming 1.5
COMP_SCI 214-0	Data Structures & Algorithms
COMP_SCI 348-0	Introduction to Artificial Intelligence
COMP_SCI 349-0	Machine Learning
3 upper level electives approved for the Artificial Intelligence minor.	

The list of upper level electives can be found on [Artificial Intelligence minor website](#)