

Deep Learning and Artificial Intelligence Minor

This minor provides a cohesive program in the fundamentals of software development for artificial intelligence (AI) and machine learning (ML) applications, including Deep Learning and Generative AI concepts.

Program Requirements

(18 semester hours)

Note: A minimum of nine (9) unique credit hours are required for this program that are not used to fulfill the requirements of a major, co-major or other minor.

Code	Title	Credit Hours
Required Courses		
CSE 174	Fundamentals of Problem Solving and Programming	3
CSE 232	Foundations of Artificial Intelligence and Machine Learning	3
or CSE 274	Data Abstraction and Data Structures	
CSE 432	Machine Learning	3
Electives		9
CSE 262	Technology, Ethics, and Global Society	
CSE 268	Introduction to Knowledge Representation	
CSE 433	Deep Learning	
CSE 434	Generative Artificial Intelligence	
CSE 468	Applied Knowledge Representation	
CSE 486	Introduction to Artificial Intelligence	
CSE 488	Image Processing & Computer Vision	
Total Credit Hours		18

There are some implied prereqs:

- Many electives require MTH 231 (Discrete Math).
- Some of the electives may have additional prerequisites: CSE 274 requires CSE 271, however students can take CSE 232 in order to avoid that pre-req.