

# ARTIFICIAL INTELLIGENCE MINOR

<https://www.unh.edu/program/minor/artificial-intelligence>

## Description

The objective of this minor is to provide a basic background for those who have had an introductory programming class and are interested in diving deeper into the foundations of artificial intelligence and machine learning.

## Requirements

Academic policies related to Minors.

Code	Title	Credits
<b>Required Courses</b>		
CS 416 or CS 417 or CS 419	Introduction to Computer Science II <sup>1</sup> From Programs to Computer Science Computer Science for Engineers and Scientists	4
CS 515	Data Structures and Introduction to Algorithms	4
CS 730 or CS 750 or CS 752	Introduction to Artificial Intelligence Machine Learning Foundations of Neural Networks	4
<b>Electives</b>		
Select two courses from the following:		8
CS 550	Foundations of Machine Learning	
CS 674	Fundamentals of Statistical Learning I	
CS 675	Fundamentals of Statistical Learning II	
CS 730	Introduction to Artificial Intelligence <sup>2</sup>	
CS 733	Mobile Robotics	
CS 750	Machine Learning	
CS 751	Reinforcement Learning	
CS 752	Foundations of Neural Networks	
CS 753	Information Retrieval and Generation Systems	
CS 755	Computer Vision	
CS 757	Mathematical Optimization for Applications	
CS 759	Natural Language Processing	
CS 781	Data Science for Knowledge Graphs and Text	
<b>Total Credits</b>		<b>20</b>

<sup>1</sup> CS 416 has a prerequisite of CS 415, CS 410C, or CS 410P.

<sup>2</sup> Students may select CS 730 Introduction to Artificial Intelligence if not already taken to fulfill a required course.