

# ARTIFICIAL INTELLIGENCE

## Requirements

### Required Coursework

Code	Title	Hours
<b>Prerequisites</b>		
CSSE 120	Introduction to Software Development	4
CSSE 220	Object-Oriented Software Development	4
CSSE 230	Data Structures and Algorithm Analysis	4
<b>Basics</b>		
CSSE 313	Artificial Intelligence	4
<b>Machine Learning</b>		
Select at least one of the following:		
CSSE/MA 415	Machine Learning	
MA 416	Deep Learning	
<b>Advanced Topics</b>		
Select at least eight credits from the following:		8
CSSE 453	Topics in Artificial Intelligence	
CSSE 463	Image Recognition	
or any upper level CSSE or MA course with a significant AI content and approved by the AI minor advisor		
<b>Ethics</b>		
PHIL H202	Business & Engineering Ethics	4

### AI Project

A project with a significant AI component is required. This may be done in any discipline. Projects must be approved by the AI minor advisor. Projects must include both a written report and a public presentation, and be made available for future use. Students may meet this requirement in three ways:

1. A student may complete a 4-credit independent study, approved by the AI minor advisor;
2. A student may begin the project in a course and then extend and document the project and make a public presentation during an independent study approved by the AI minor advisor;
3. A student may complete an approved senior thesis or project involving AI and substitute a senior thesis or project course for the independent study.

### Note:

At most 8 credits of the AI course work (Basics, Machine Learning, and Advanced Topics) can be used to satisfy degree requirements for any major or any other minor sought by the student. The remaining credit hours can only be used to satisfy technical or free electives within the primary major.

Students of any major may receive the Artificial Intelligence minor.