ARTIFICIAL INTELLIGENCE, MSE

The online Master of Science in Engineering in Artificial Intelligence (MSE-AI Online) graduate-level program enables students with a computer science background to keep up and ahead of industry demand by exploring algorithms for knowledge-based agents, large language models, natural language processing, and deep learning. MSE-AI Online allows students from around the world to benefit from the research and teaching expertise of Penn's world-renowned experts. While studying from the comfort of home, students take part in assignments that engage real-world tools and environments.

For more information: https://online.seas.upenn.edu/degrees/mse-ai-online (https://online.seas.upenn.edu/degrees/mse-ai-online/)

Curriculum

Code	Title	Course Units
Requirements		
Core Courses		
CIS 5210	Artificial Intelligence	1
CIS 5300	Natural Language Processing	1
ESE 5410	Machine Learning for Data Science	1
ESE 5420	Statistics for Data Science	1
ESE 5460	Principles of Deep Learning	1
CIS 5550	Internet and Web Systems	1
Technical Electives		
Select 3 CU from the following:		3
CIS 5810	Computer Vision & Computational Photography	
CIS 5530	Networked Systems	
Or one of the Core Courses		
Open Electives		
Any online EAS/CIS/ESE course [*]		1
Total Course Units		**10**

* See Penn Engineering Online course catalog

The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2024 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.