

# ARTIFICIAL INTELLIGENCE, CERTIFICATE

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Certificate students will have access to the thriving community of Penn Engineering Online students through the active Student Slack Workspace. Certificate students will be assigned an Academic Advisor and can sign up for advising sessions offered weekly. Students will follow the same policies as the Penn Engineering Online Certificate ([https://online.seas.upenn.edu/degrees/student-services/student-handbook/#online\\_graduate\\_certificates](https://online.seas.upenn.edu/degrees/student-services/student-handbook/#online_graduate_certificates)) students and pay the same tuition/fees (<https://online.seas.upenn.edu/degrees/tuition-financial-aid/>).

## Curriculum

The Artificial Intelligence Online Graduate Certificate consists of four (4) course units from the following list:

Code	Title	Course Units
<b>Required Courses</b>		
CIS 5210	Artificial Intelligence	1
<i>Choose 3 course units from below:</i>		<i>3</i>
CIS 5300	Natural Language Processing	
ESE 5410	Machine Learning for Data Science	
ESE 5420	Statistics for Data Science	
ESE 5460	Principles of Deep Learning	
<b>Total Course Units</b>		<b>4</b>

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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.

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