DOCTOR OF ENGINEERING IN THE FIELD OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (STEM, ONLINE)

The online doctor of engineering (DEng) in artificial intelligence and machine learning (ML) is a research-based doctoral program designed to provide graduates with a solid understanding of the latest AI-ML techniques, as well as hands-on experience in applying these techniques to real-world problems.

This is a STEM designated program.

REQUIREMENTS

The following requirements must be fulfilled: 48 credits, including 24 credits in required courses and 24 credits in research culminating in a practice-based praxis.

Note: Throughout the program, students must take required courses in lockstep with the cohort of students with which they matriculated

Code	Title	Credits
Required courses		
SEAS 8505	Applied Machine Intelligence and Reinforcement Learning	
SEAS 8510	Analytical Methods for Machine Learning	
SEAS 8515	Data Engineering for Artificial Intelligence	
SEAS 8520	Deep Learning and Natural Language Processing	
SEAS 8525	Computer Vision and Generative AI	
SEAS 8599	Praxis Development for Artificial Intelligence	
Research phase		
SEAS 8588	Praxis Research for Doctor of Engineering in Artificial Intelligence and Machine Learning (taken for a total of 24 credits)	

Additional requirements

1. Students must earn a minimum grade of *B-* in all courses and must achieve a minimum GPA of 3.2 at the completion of their coursework to advance to the research phase.
2. Students must complete the final examination on their praxis by preparing and defending their praxis before a committee of three faculty members. Students have a maximum of two attempts to pass the final defense.