

MS in Applied Artificial Intelligence Curriculum



Apply AI with measureable results

In Pace University's masters in Applied AI, you'll undertake interdisciplinary, project-based learning using real-world examples and data to build projects and understand how AI can be implemented to improve business processes.

Below is the list of courses required as part of the **Master of Science in Applied AI**:

Foundation Courses (2 courses):

IS 612 Introduction to Coding
or equivalent
IS 613 Database Management Systems
or equivalent

Applied AI Core (5 courses):

IS 614 Applied AI
IS 680 DSI: Introduction to Data Science
and Visualization
IS 685 Ethical Issues in AI
IS 689 Human-AI Interaction
IS 692 Research Project Seminar

Concentrations

Human-Centric AI (3 Courses)

IS 638 Introduction to User Experience and Design
IS 679 Cognitive Science & Technology
CS 659 Introduction to HCI

Data-Centric AI (3 Courses)

IS 683 Data Engineering for AI
IS 684 Web Mining
IS 669 Big Data and Information Systems

Computational Intelligence (3 Courses)

IS 682 DS2: Machine Learning and Applications
CS632Q Intro to Natural Language Processing
CS671 Computer Vision

Additional Electives (2 courses):

*Please work with your advisor on course selection.
More courses will be available as the program grows.*

IS668 Foundation of Geographic Information Systems
IS687 Social & Collaborative Computing IS678
Location Analytics and Web GIS IS688
Location Analytics & GIS Research IS690E
Information Architecture
CYB631 Automating Info. Sec. with Powershell
and Python
CYB611 Introduction to Cybersecurity CYB651
Cyber Intelligence Analysis and Modeling
CYB621 Information Security Management
CS608 Algorithms and Computing Theory
CS610 Introduction to Parallel and Distributed
Computing
CS655 Pattern Recognition
CS660 Mathematical Foundations of Analytics
CS677 Machine Learning