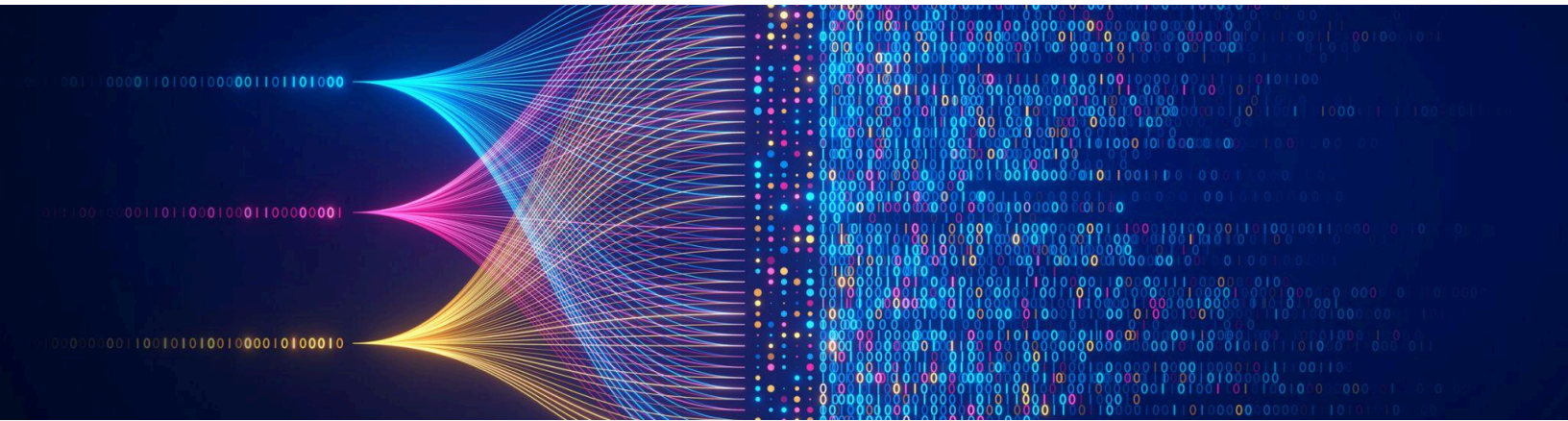


# Artificial Intelligence Curriculum Fall 2025



## Be on the Frontier of AI

The AI revolution is here! The job market is calling for AI engineers and researchers. At Pace, the major in Artificial Intelligence is where you'll learn how to make machines learn. This major includes a breadth of AI topics and enables students to explore related AI areas of interest.

Below is the list of courses required as part of the **Bachelor of Science in Artificial Intelligence**:

### Computer Science Core (6 courses):

- CS 113 Math Structures for CS
- CS 121 Intro to Computer Science
- CS 122 Object-Oriented Programming
- CS 241 Data Structures & Algorithms
- CS 242 Algorithms & Computing Theory
- CS 291 Professional Computing Seminar

### AI Core (7 courses):

- CS 312 Research Methods
- CS 326 Introduction to Computer Vision
- CS 327 Intro to Neural Networks
- CS 377 Math Foundations for Machine Learning
- CS 385 Artificial Intelligence I
- CS 387 Database Design
- CS 495 AI Capstone

### Math Requirements (2 courses):

- MAT 131 Calculus
- MAT 234 Intro to Statistics and Probability

### Electives (Pick 2 courses):

*(More classes will be added as they are developed)*

- CS 325 Introduction to Data Mining
- CS 357 AR, VR, and the Metaverse
- CS 395 Data Science with Python & R
- CS 472 Introduction to Deep Learning

In addition to these courses, all Pace students take courses required by the [University core](#).