



MS in Artificial Intelligence

Course Descriptions

A I

Prerequisites: Data Acquisition and Management; Computational Statistics and Probability

A (A)

This course is a continuation of the study of artificial intelligence, focusing on advanced topics in machine learning and deep learning. The course covers the theoretical foundations and practical applications of these techniques, including neural networks, convolutional neural networks, and recurrent neural networks. The course is designed for students who have completed the prerequisite courses and are seeking a deeper understanding of the subject matter.

C P

This course provides a comprehensive overview of the field of computer graphics, covering the principles and techniques used to create realistic 3D computer-generated environments. The course includes topics such as ray tracing, hidden surface removal, and texture mapping. The course is designed for students who are interested in the intersection of computer science and art.

D A M

This course is an advanced study of database management systems, focusing on the design and implementation of large-scale, distributed database systems. The course covers the theoretical foundations of database systems, including the relational model, and the practical aspects of database design and optimization. The course is designed for students who are interested in the application of database systems in large-scale data processing and analysis.

M L

Prerequisites: Data Acquisition and Management; Computational Statistics and Probability

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N L P

Prerequisites: Machine Learning; Neural Networks and Deep Learning

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