Graduate Certificate:
Machine Learning & AI

This certificate is designed to fast track graduate students into acquiring the necessary skills to qualify for Machine Learning & Artificial Intelligence jobs.

Quickly become eligible for Machine Learning Positions.

Receive a certificate upon completing **12 hours** of Computer Science credits.

Certified by UNO & State Approved

This certificate program is designed & taught by the UNO Department of Computer Science, whose undergraduate curriculum is accredited by the Accreditation Board for Engineering and Technology (ABET). The graduate certificate in Machine Learning & AI is approved by the Louisiana Board of Regents & exclusively offered by the University of New Orleans.

Careers in Machine Learning & AI

- Information & Technology (IT) positions pay well
- Plentiful job opportunities both locally & nationally
- High job growth projected for the foreseeable future
- Jobs offer a good work/life balance

Machine Learning & AI Certificate. 12 credits For Graduate students. Data Science Job

uno.edu/academics/cos/computer-science/certificates

Certificate Coursework

Prerequisites

Enrolled as an UNO Graduate student

4 Total courses: 2 from Required list, 2 from Elective list

Required Courses   6 credits

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CSCI 6521   Advanced Machine Learning I      3
CSCI 6522   Advanced Machine Learning II     3
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Professional Skills Attained

6521 *Learn theory & applications for statistical models: Regression, Probability, Bayesian, Kernels*
6522 *Learn to code machine learning models: Neural Networks and Applications*

Elective Courses: Choose Two   6 credits

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CSCI 6250 Big Data Analytics & Systems                      3
CSCI 6454 Parallel & Scientific Computing                   3
CSCI 6633 Computer Vision                                   3
CSCI 6634 Data Visualization                                3
CSCI 6645 Planning Algorithms in Artificial Intelligence    3
CSCI 6650 Intelligent Agents and Multi-Agent Systems        3
CSCI 6990 Topics in Advanced Computer Science               3
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Professional Skills Attained

6250 *Learn techniques in Data Mining, Database Warehousing such as HADOOP, Map Reduce, HBase*
6454 *Learn techniques in processing large volumes of data in parallel*
6633 *Learn approaches to evaluate and analyze visual data for information*
6634 *Learn techniques & tools for graphically modeling visuals for complex datasets .*
6645 *Learn techniques for planning algorithms.*
6650 *Learn techniques for multiagent system, human to computer systems, computer to computer.*
6990 *Learn recent advancements and new trends in the field.*
      Note: Special topic must relate to ML/AI to receive credit towards certificate