



Graduate Certificate in Data Science Program

ADVANCE YOUR CAREER

Earn a Data Science graduate certificate with only four courses. These courses may also be used toward a graduate degree. Now available fully online!

Admission Requirements

The certificate program may be pursued concurrently with other graduate programs at the university. In particular, students currently admitted to a graduate program at the UofM may join this certificate program.

To apply, students must submit:

- application form
- transcripts of prior graduate study
- two letters of recommendation

Curriculum

Students must complete 12 hours (4 courses) from the following coursework with at least a 3.0 average:

At least 6 credit hours of data science core courses.

6 credit hours of electives:

- Data Mining
- Databases
- Informational Retrieval
- Neural Networks
- Machine Learning
- Natural Language Processing
- Mathematical Models

About the Program

This certificate program aims to provide interdisciplinary training in the important aspects the rapidly emerging area of data science. With large volumes of data being generated every day from multiple sources, the importance of systematic and rigorous approaches to understanding and putting this data to good use is now well recognized.

The specific objectives of the certificate program are to provide training on data collection, storage, manipulation, visualization and privacy; provide a strong background in programming, algorithms and methods for statistical analysis in data mining and machine learning; train students in the use of software tools and systems for processing big data and educate students on ethical issues, management, policies and legal requirements in data science.

Contact Us

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