The Graduate Certificate in Data Management and Analytics Program is designed for IT professionals who have a bachelor's degree in computing field to advance their knowledge in the field of Data Management and Analytics, especially the technologies and systems supporting large scale business data processing.

Students graduating with this program will develop a solid foundation in theories and applications of enterprise data management and analytics, as well as gain hands-on experience with the technologies and systems commonly used in industry.

**Course Requirement and Sequence**

Prior knowledge in system development, database systems, and web development are required. Students who don’t have the required knowledge will be required to take the following IT foundation courses: IT 5413, IT 5433, and IT 5443. Students may satisfy foundation courses by passing an exam during a designated time prior the first semester of enrollment before admitting to the certificate program.

- **IT 5413** Software Design and Development
- **IT 5433** Database Management Systems
- **IT 5443** Web Technology and Application Development
- **IT 6713** Business Intelligence
- **IT 6733** Database Administration
- **IT 6863** Database Auditing and Security
- **IT 7113** Data Visualization

Currently enrolled MSIT students can use all certificate courses toward MSIT electives.

**New in Spring 2017!**

For more information, please contact:

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