The Graduate Certificate in
Data Management and Analytics

The Graduate Certificate in Data Management and Analytics, developed by MSIT program, is 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 Requirements and Sequence 2018-2019

Prior knowledge in 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 or demonstrating prior experience.

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

IT 5433 — Database Management Systems

IT 5413 — Software Design and Development

IT 5443 — Web Technology and Application Development

Take three required (*)

IT 6713* — Business Intelligence (fall)

IT 6773* — Practical Data Analytics

IT 6733* — Database Administration (spring, fall)

Choose one elective

IT 7113 — Data Visualization (spring)

IT 6863 — Database Auditing and Security

For more information, please contact:
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