

UNIVERSITY OF ARKANSAS AT LITTLE ROCK
Master of Science in Information Quality

What is Information Quality?

Information Quality, sometimes used interchangeably with the term Data Quality, is the quality of data evaluated by its fitness for use in a particular application.

What is the MSIQ degree?

The Master of Science Degree in Information Quality (MSIQ) is a new program (final approval to offer the program is pending before the Arkansas Department of Higher Education) established by the UALR Donaghey College of Information Science and Systems Engineering in collaboration with the Massachusetts Institute of Technology Information Quality (MIT IQ) Program. Offered through the UALR Department of Information Science, the program is designed to meet the growing demands by government and industry for qualified professionals with a graduate-level degree that encompasses

- Concepts, principles, tools, and models essential in defining, measuring, analyzing, and improving information quality
- Development of Information Quality policies, strategies, and programs
- The relationship of Information Quality to data privacy and protection, enterprise architecture, and data integration processes such as entity resolution and customer relationship management (CRM)

Who is it for?

This graduate-level program is designed to prepare students to pursue careers in organizational roles such as Data Quality Manager, Data Quality Analyst, Data Quality Consultant, and Data Quality System Developer, or to pursue doctoral-level graduate studies in preparation for information quality research and instructional roles.

What background is needed?

Anyone with a baccalaureate from an accredited school can apply for admission. Candidates who have a background in computer programming, database concepts, and applied statistics, or who have professional experience in an information quality role will be the most prepared to enter and successfully complete the program.

The program emphasizes analysis and critical thinking as they relate to the principles and practices of information quality. Students must be able to effectively communicate and advocate the results of their analyses, and assist developers, managers, and other stakeholders in the implementation of information quality processes, policies and improvement plans.

Requirements for Regular Admission

- Baccalaureate degree from an accredited institution.
- Cumulative grade point average of at least 3.0 on a 4.0 scale.
- Graduate Record Examination general test section (GRE) or Graduate Management Admission Test (GMAT) scores.
- Completion of any remedial course work that may be specified by the department. Students seeking regular admission to the program are expected to have completed (with a grade of B or better in each course) course work or have professional experience equivalent to the following UALR courses

- IFSC 2300 Object-Oriented Software
- IFSC 3320 Database Concepts
- STAT 3352 Applied Statistics

Conditional Admission

Applicants with a baccalaureate degree who fail to meet one or more of the other requirements for regular admission may be granted conditional admission with the requirement to complete remedial course work before being granted regular admission status.

The Curriculum

The MSIQ requires 27 hours of graduate course work with an additional six hours of either a thesis or project. The curriculum is consistent with relevant guidelines provided by the Association for Computing Machinery (ACM) and the Association for Information Systems (AIS).

Courses by semester

Semester 1

- INFQ 7303 Introduction to Information Quality
- INFQ 7318 Total Quality Management & Statistical Quality Control
- IFSC 7310 Information Systems Analysis
- IFSC 7320 Database Systems

Semester 2

- IFSC 5345 Data Visualization
- INFQ 7322 Information Quality Theory
- INFQ 7342 Information Quality Tools and Industry Landscape
- Elective (one of the following)
 - IFSC 7325 Advanced Data Mining
 - IFSC 5330 Database Security
 - IFSC 7360 Data Protection and Privacy

Semester 3

- Elective (one of the following)
 - INFQ 7337 Project and Change Management
 - INFQ 7353 Case Studies for Information Quality Professionals
 - INFQ 7367 Information Quality Policy and Strategy
- INFQ 7686 Graduate Project
- OR
- INFQ 7698 Thesis

Scholarships and financial aid

Students admitted to the program may qualify for financial assistance through a limited number of scholarships, assistantships, and employee education plans.

For More Information Contact:

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