

Information Systems and Technology MS

Admission Requirements

Applicants must meet the general graduate admission requirements of the Graduate School, described in the UMSL [catalog Bulletin and the College of Business Administration](#). graduate program in Information Systems and Technology only after they have formally applied for admission through the Graduate School. Applications may be completed on-line.

In addition to Graduate School admission requirements, the following requirements apply for the MSIST program.

Applicants must have an undergraduate degree with a minimum cumulative GPA of 3.0. Students whose GPAs are between 2.75 and 2.9 may be admitted under a restricted status within the terms specified by the Graduate School.

Applicants must have foundational knowledge of data analysis and computer programming. This requirement can be fulfilled by providing evidence of prior coursework, training, or professional experience.

Applicants may also join the program without this background and complete the following coursework.

- Students without a background in data analysis could take SCMA 5300 as a graduate student to fulfill this requirement.
- Students without a background in computer programming can take INFSYS 6805 as a graduate student to fulfill this requirement.

~~Entrance Examinations~~

- ~~• This program generally requires the Graduate Management Admissions Test (GMAT) or Graduate Record Examination (GRE) scores. A waiver of this requirement may be requested if applicants meet certain criteria. Please see the petition to waive the GMAT: <http://mba.umsl.edu/files/pdfs/GMAT-waiver.pdf>.~~
- Non-native speakers of English must provide evidence of English language competency by submitting an official TOEFL or IELTS score. The minimum TOEFL score for graduate admission is 79 iBT. The minimum IELTS score is 6.0.

Degree Requirements

Candidates for the Master of Science in Information Systems and Technology must meet all Graduate School requirements including, but not limited to, requirements on admissions, enrollment, course policies, and academic standing as listed in the University Bulletin.

The program requires a total of 30 hours for students with either business or non-business undergraduate degrees.

Program Requirements

All students will complete:

- INFSYS 5800 (3 hours)
- The requirements for two of the certificates listed (24 hours):
 - Graduate Certificate in Enterprise Systems Development
 - Graduate Certificate in Information Security Management and Auditing
 - Graduate Certificate in Information Systems and Technology
 - Graduate Certificate in Business Intelligence
 - **Graduate Certificate in Cybersecurity**
- One elective course from the list below or from the certificates above (3 hours). Courses may also be substituted with other courses upon approval from the Department Chair:

Cybersecurity Courses

INFSYS 6836	Management of Data Networks and Security	3
INFSYS 6858	Advanced Cybersecurity Concepts	3
INFSYS 6864	Applied Cryptography for Business Applications	3
INFSYS 6888	Capstone in Information Security	3

Information Systems and Technology Management

INFSYS 6832	Information Systems Strategy	3
INFSYS 6838	Business Processes: Design, Management and Integration	3
INFSYS 6847	Project Management	3

Experiential Learning, Research, and Emerging Topics

INFSYS 5890	Graduate Internship in Information Systems	1
INFSYS 5899	Individual Research in Information Systems	1
INFSYS 6891	Seminar in Information Systems	3

If other departments are affected by this proposal, please secure "sign-offs" and indicate for each department the following:

Department	Contact Person	Phone #	Objections
Computer Science	Dr. Cezary Janikow	516-6352	No

Justification for request:

The current bulletin does not list the Graduate Certificate in Cybersecurity as one of the certificates of the MSIST so it has been corrected now. Also, the GMAT requirement has now been removed to be consistent with other CoBA graduate programs.