M.S. in Information Science & Technology  
(30 Credit Hours)

Information technology continues to transform every aspect of our economy and society. The rapid spread of technology has generated the need for highly trained professionals to implement and maintain information systems to support business success. The AACSB Accredited M.S. in Information Science and Technology is designed to educate students in the design, development, and successful application of information systems in organizations. Additional information can be found on the web at http://bit.mst.edu.

There are two types of Master degree programs students may follow: one with a thesis and the other without. Either program is designed to be very flexible in order to allow students to pursue interests in many areas beyond the four required core courses. The M.S. degree can also be earned via distance education. See http://dce.mst.edu/ for more details.

Degree Requirements (30 Credit Hours)

The Master of Science in Information Science and Technology requires a total of 30 credit hours divided between the IST Core (12 credit hours) and IST Electives (12-18 credit hours) taken with appropriate restrictions.

The M.S. degree (non-thesis) option requires six IST elective courses (18 credit hours). The M.S. degree with thesis option requires four IST elective courses (12 credit hours) and 6 credit hours of research.

M.S. IST Core Courses (12 Credit Hours)

All M.S. candidates in IST are required to take the four core courses. These courses are designed to ensure that all IST graduate students are exposed to technology, human factors, project management, and organizational systems perspectives of information systems.

- IST 5251 (351) Technical Innovation Management and Leadership  
  3 credit hours  
  Offered in Fall/Spring
- IST 5885 (385) Human-Computer Interaction  
  3 credit hours  
  Offered in Fall/Spring
- IST 6261 (461) Adv. Information Systems Project Management  
  3 credit hours  
  Offered in Spring
- IST 6336 (436) Foundations of Internet Computing  
  3 credit hours  
  Offered in Fall

M.S. IST Elective Courses (12-18 Credit Hours)

In order to fulfill the IST electives, many students opt to complete a Graduate Certificate, which is a set of four courses selected to fit an emphasis area. Taking these courses gives their M.S. a documented focus. The Department offers Graduate Certificates in the following areas:

- Business Analytics & Data Science
- Business Intelligence
- Digital Media
- Digital Supply Chain Management
- Electronic and Social Commerce
- Enterprise Resource Planning
- Entrepreneurship and Technological Innovation
- Human-Computer Interaction
- Management and Leadership
- Mobile Business and Technology
- Project Management

Students may also construct degrees developing a focus to suit their own needs.
Application and Admission Process

1. Apply
   On campus students may apply at any time by completing the Graduate Application for Admission form found on-line at http://apply.mst.edu. For distance students, apply online at http://dce.mst.edu/admissions/. The application, along with three letters of reference, official transcripts, and a current resume may be sent to the BIT Admissions Specialist or the Admissions office to start the application process.

2. Test Scores
   All M.S. IST applicants are to complete either the general portion of the Graduate Record Examination (GRE) or the Graduate Management Admissions Test (GMAT). Admission requirements based upon the GRE are a minimum Verbal Score of 370/144, Quantitative Score of 600/148, and Analytical Score of 3.5; the GMAT should be completed with equivalent scores.

3. Official Transcripts
   All applicants are required to hold a bachelor’s degree. International applicants must have a degree comparable to an approved U.S. bachelor’s degree from a university accredited by the appropriate governmental agency. Applicants must have attained an undergraduate GPA of a “B” average or better over the last two years, or the successful completion of 12 graduate hours in an IST Graduate Certificate with at least a 3.0 GPA.

4. TOEFL/IELTS
   All applicants must also demonstrate proficiency in English. Applicants whose first language is not English will be required to submit the score obtained in the Test of English as a Foreign Language (TOEFL) or the International English Language Testing Systems (IELTS) test. Students who have earned a bachelor’s or master’s degree from a U.S. university will not be required to take the TOEFL or IELTS. A minimum TOEFL score of 88 (Internet-based) is required. An IELTS score of 6.5 may be substituted.

5. Undergraduate Coursework
   Applicants are expected to have competency in the following subjects:
   - Algorithms & Programming
   - Information Systems
   - Database Management Systems
   - Programming with Data Structures
   - Computer Internals and Operating Systems
   - Calculus
   - Statistics

Financial Considerations
   Working toward your M.S in IST can be done on campus at Missouri S&T or at home through our distance program (http://dce.mst.edu). The tuition rates and living expenses can be found on the financial assistance website (http://sfa.mst.edu/costs/index.html). There are many opportunities to pursue a cooperative education to further your knowledge on Information Science and Technology (http://career.mst.edu/cooperativeeducation). There are also opportunities for graduate assistantships within the Department of Business and Information Technology.

For more information about the M.S. in Information Science and Technology program, please contact:

   Department of Business & Information Technology
   101 Fulton Hall
   301 W. 14th Street
   Rolla, MO 65409
   573-341-7216 (Phone)
   573-341-4812 (Fax)
   bit@mst.edu

December 2014