

Master of Science in Information Technology

The Master of Science in Information Technology degree focuses on the applied aspects of technologies and practices used to provide digital services to customers within industry. These focus areas range from telecommunications, software development, cyber security, systems management, policy construction, and legal/regulatory concerns around tech use in an evolving world. Graduate students are expected to learn and demonstrate competence in solving real world problems with real world technologies. Additionally, courses in this program require students to organize into work groups, complete collective assignments, and practice peer leadership to accomplish goals. Graduates of this program should be capable of analyzing and solving complex technological issues and feel comfortable assuming managerial or executive roles in industry.

Faculty biographical information and other program information may be viewed on the program's website <https://sps.ku.edu/programs/info-tech> (<https://sps.ku.edu/programs/info-tech/>) or call 785-864-0163 to speak with an academic advisor.

This degree program is primarily delivered at the Edwards Campus in Overland Park, KS. Some of the courses in this program are delivered online, but the program cannot be completed entirely online.

Admission

An applicant seeking to pursue graduate study may be admitted as either a degree-seeking or non-degree seeking student. Policies and procedures of Graduate Studies govern the process of Graduate admission. These may be found in the Graduate Studies (<https://catalog.ku.edu/graduate-studies/>) section of the online catalog. For more information on admission to a graduate program at KU, see the policy on Admission to Graduate Study (<https://policy.ku.edu/graduate-studies/admission-to-graduate-study/>).

International students may have enrollment specifications (i.e., full-time status, in-person courses) to meet their visa status requirements. Students needing the majority of their courses in-person are strongly advised to apply for admission to start in the Fall semester to maximize course availability.

Applications may be submitted at <http://graduate.ku.edu/ku-graduate-application> (<http://graduate.ku.edu/ku-graduate-application/>).

The following materials must be included to submit a complete application for admission:

- Official transcript from the institution where the bachelor's degree (or equivalent) was earned
- Resume reflecting work experience or GRE test scores
- Statement of Purpose

For admissions to KU's Master of Science in Information Technology program, applicants must have:

- An undergraduate degree in a computing or related discipline with a GPA of 2.75 or better
- At least two years of practical work experience in IT or GRE scores as follows: 146+ verbal, 155+ quantitative (mean GRE: 152 verbal, 163 quantitative).

Code	Title	Hours
Require Courses		
ITEC 710	Information Security and Assurance	3
ITEC 780	Communication Networks	3
ITEC 810	Software Engineering and Management	3
PFS 804	Project Management for Professionals (Students who are also enrolled in the Foundations of Project Management Graduate Certificate may substitute PMGT 816 Project Management Fundamentals I in place of PFS 804.)	3
	or PMGT 816 Project Management Fundamentals I	
Elective Courses - select five of the following		15
ITEC 711	Security Management and Audit	
ITEC 712	Network Security and its Application	
ITEC 714	Information Security and Cyber Law	
ITEC 746	Database Systems	
ITEC 814	Software Quality Assurance	
ITEC 818	Software Architecture	
EMGT 750	Engineering Management	
EMGT 821	Strategic Management of Technology Projects	
PFS 730	Writing and Speaking for Decision Makers	
PFS 801	Interpersonal and Persuasive Communication Skills for Managers	
PFS 802	Managing Teams and Leading People	
PFS 803	Financial Management for Professional Success	
PMGT 808	Lean Six Sigma	
PMGT 817	Project Management Fundamentals II (If the student is also enrolled in the Foundation of Project Management Graduate Certificate.)	
PMGT 818	Project Management Fundamentals III (If the student is also enrolled in the Foundation of Project Management Graduate Certificate.)	
PMGT 842	Project Management in an Agile Environment	
Capstone Course		
ITEC 890	Information Technology Capstone	3
Total Hours		30

At the completion of this program, students will be able to:

- Utilize technical knowledge and managerial skills.
- Support versatile thinking and confident leadership.
- Make strategic IT decisions that address technical and business demands considering complex contexts.