Information Technology, M.S.

The Master of Science in Information Technology (MSIT) program will prepare students for leadership roles in the IT sector. This program will train the next generation of IT professionals who are interested in broadening and gaining deeper knowledge of new and emerging technologies. The program will provide students with a strong foundational core of theoretical knowledge as well as deeper knowledge and skills through elective courses.

Admission Requirements

In addition to the University graduate admission requirements described in the Admissions section of the catalog, the department bases decisions for regular admission on a holistic review of credentials in which the following criteria are used to assess the potential success of each applicant:

- Minimum undergraduate institutional GPA of 3.0.
- Undergraduate degree major.
- Submission of a resume or CV.
- The applicant's motivation for pursuit of a Master of Science in Information Technology degree, extent of related work experience in the field, and future goals related to the attainment of a Master of Science in Information Technology degree described in a letter of intent written by the applicant.
- Contact information for two academic or professional references who can address the applicant's ability to succeed in our graduate program.
- Submission of any professional or industry certifications earned by the applicant (optional).

If an applicant does not meet the above requirements, they may be considered for conditional admission. Please contact the department for more information.

- An applicant may be fully admitted if the student has all required undergraduate proficiency courses.
- An applicant may be provisionally admitted subject to completing the following required undergraduate proficiency courses:

    1. CGS 3763 Operating Systems Concepts
    2. CNT 3004 Introduction to Networks

With the approval of the department, a maximum of six credit hours may be transferred into the program.

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All courses must be completed with a grade of "C" or better.

Core Courses		21
COP 5519	Programming for Information Technology	
CTS 5458	Data Visualization	
CAP 5326	Trends in Data Analytics	
CIS 6084	Cloud Computing Architecture and Security	
CIS 6710	Trends in Information Technology	
CET 6882	Network Performance Monitoring and Security	
CIS 6950	Information Technology Capstone	
or CIS 6971	Thesis	
Electives (Choose 3) - Other courses at the 5000 or 6000 level that are not shown here may be taken with advisor and department chair approval.		9
CAP 6789	Advanced Big Data Analytics	
CAP 6772	Data Warehousing	
CAP 6771	Data Mining	
CIS 6511	Enterprise Information Technology Risk Management	
CIS 6084	Cloud Computing Architecture and Security	
COP 5725	Database Systems	
COP 5775	Database Administration	
COP 6727	Advanced Database Systems	
GEB 5872	MBA Foundations: Financial Management I	
GEB 5873	MBA Foundations: Financial Management II	
EXP 5256	Human Factors Psychology	
HIM 5628	Healthcare Data Analysis Using Python	
ISM 6136	Big Data Mining: A Managerial Perspective	
ISM 6326	Information Security Auditing and Control	
ISM 6562	Advanced Business Data Management	
ISM 6405	Advanced Business Intelligence Applications	
MAN 6156	Management and Organizational Behavior	
Total Hours		**30**