Master of Science in Management Information Systems
Curriculum Planner, 2024-25

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CORE CURRICULUM (13 credits total)

Required courses (12 credits)

Course Number	Course Title	Credits	Semester
MGS 613	Database Management Systems	3	First summer
MGS 614	Systems Analysis and Design	3	First summer
MGS 607	Technology and Innovation Management	3	Fall semester
MGS 616	Predictive Analytics	3	Spring semester

Required capstone: Choose 1 below (1 credit)

Course Number	Course Title	Credits	Semester
MGS 646	MIS Project Guidance (Certification)	1	Winter semester
MGS 649	MS Practicum (Full-time internship)	1	Second summer

ELECTIVES (18 credits total)

Choose 6 courses (3 in Fall, 3 in Spring) from below and next page.
Availability varies by semester. Refer to catalog.

Course Number	Course Title	Credits
MGS 602	Information Technology and Cloud Infrastructure Management	3
MGS 610	Digital Forensics	3
MGS 617	Spreadsheet and Statistical Programming for Business	3
MGS 618	Special Topics: Statistical Modeling for Analysis	3
MGS 618	Special Topics: Adopting Generative AI in the Enterprise	3
MGS 618	Special Topics: System Security	3
MGS 623	IT Process Quality Management	3
MGS 625	Management of IT Projects	3
MGS 628	Data Visualization	3
MGS 632	Seminar in Health Information Systems	3
MGS 635	Digital Product Management	3
MGS 636	Applied AI for Managers	3
MGS 637	Cloud Computing Security Concepts	3
MGS 638	Cybersecurity Analytics	3
MGS 639	Cybersecurity, Privacy and Ethics	3
MGS 640	IT Risk Management	3
MGS 642	IS Auditing for IT Managers	3
MGS 647	Supervised Research (Faculty Director approval required)	3
MGS 650	Information Security and Assurance	3
MGS 653	Social Network Analytics	3

Course Number	Course Title	Credits
MGS 655	Distributed Computing and Big Data Technologies	3
MGS 657	Cloud Data Warehousing and Data Engineering	3
MGS 659	Web Analytics and Optimization Techniques for E-Commerce	3
MGS 662	Optimization Methods for Machine Learning	3
MGS 684	CRM Apps Consulting Practices	3
MGS 686	Tech Consulting for Social Impact	3
MGS 687	Experiential IT Project	3
MGG 524	Management Communications*	1.5
MGG 524	Leading Teams and Organizations*	1.5
MGM 653	Digital Marketing Analytics	3

* Courses noted must be taken together

SUMMARY

13 core credits + 18 elective credits = 31 credits required for degree

Students may only enroll in 12 credits per semester.