Ph.D. — Cyber Technology Management Specialization

Core Coursework (24 credits)

1. MGT 919 Seminar in Human Resource Management
2. MGT 907 Business Knowledge Studies
3. MGT 908 Emerging Issues in Marketing
4. MGT 906 Contemporary Issues in Business Ethics
5. MGT 936 Emerging Issues in Global Information Technology
6. MGT 923 Leadership in Organizations
7. MGT 910 Advanced. Managerial Communication
8. MGT 912 Management Science and Analysis

Research Methodology (12 credits)

1. MGT 905 Inquiry to Doctoral Writing
2. MGT 915 Doctoral Research Methodology
3. MGT 935 Advanced Quantitative Research and Analysis
4. MGT 945 Advanced Qualitative Research and Analysis

Comprehensive Examination (No-academic credit)

Residency Requirement (No-academic credit)

1. MGT 901 Required Residency I
2. MGT 902 Required Residency Il
3. MGT 903 Required Residency III

Cyber Technology Management Specialization Coursework (12 credits)

1. MGT 937 Incident Response, Disaster Recovery, and Business Continuity
2. MGT 938 Legal and Ethical Issues in Cyber Technology
3. MGT 939 Evolving Issues in cyber Warfare
4. MGT 940 Management for Technology Professionals

Dissertation Proposal (6 credits): MGT 951, 952, 953, 954, 955, 956

Dissertation (6 credits): MGT 960 and MGT 961

Total Hours Required 60

Specialization

— Cyber Technology Management Courses

MGT 937 Incident Response. Disaster Recovery, and Business Continuity (3 credits)

Students learn to design and manage key business information security functions including incident response plans and incident response teams, disaster recovery plans, and business continuity plans. Reporting, response planning and budgeting are all addressed. Students working in teams will prepare an incident response, disaster recovery, or business continuity plan for a real-world organization such as a business or a government body or agency.

MGT 938 Legal and Ethical Issues in Cyber Technology (3 credits)

This course prepares students to participate in the analysis of relevant internet-based legal subjects with an emphasis on their practical application in the "real" world of legislation and governance It encompasses the development of the technology of computing, the internet, and the need for legal solutions as activities on the internet have expanded crime, commerce, and civil wrongs to a global forum. The course concludes with a peer-rated comprehensive research project on a topic of current relevance in CyberLaw.

MGT 939 Evolving Issues in Cyber Warfare (3 credits)

Cyber warfare is defined as "warfare waged in cyberspace," which can include defending information and computer networks, deterring information attacks, as well as denying an adversary's ability to do the same. It can include offensive information operations mounted against a rival, or even dominating information on the battlefield. Students will explore the current state of cyber security from national and international perspectives, and consider cyber-based operations. Students will consider how decisions made nationally and internationally might impact the ability of industry to conduct business operations,

MGT 940 Management for Technology Professionals (3 credits)

This course explores management for professionals in technology fields. It addresses the challenges of the following areas: managing technical professionals and technology assets; human resource management; management of services, infrastructure, outsourcing, and vendor relationships; data management and big data analytics', social networking and social metrics; commerce and mobile commerce technology; ethical risks and responsibilities of IT innovations, technology governance and strategy; and resource planning. It also provides theoretical and practical experience in using information technology to support organizational decision-making processes.