

## **MS in Computing & Business Curriculum (Total Credits Required 33 credits)**

The College of Computing Sciences and the School of Management, the two colleges offering the degree, will jointly administer the MS in Computing and Business degree. Students entering the degree program are expected to have a BS in Computer Science or equivalent, and they may have little or no prior business knowledge.

### **Core: 24 credits**

#### **Business Core**

- Acct 615 – Management Accounting
- Fin 600 – Financial and Economic Environments
- HRM 601 – Organizational Behavior
- Mrkt 620 – Competing in Global Markets

#### **Computer Science Core**

- CS 610 – Data Structures and Algorithms
- CS 631 – Data Management System Design
- CS 734 – Data Mining
- CS 696 – Network Management and Security

### **Electives: Choose 9 credits**

- CS 632 - Advanced Database System Design
- CS 652 - Computer Networks-Architectures, Protocols and Standards
- CS 656 - Internet and Higher Layer Protocols
- CS 661 – Systems Simulation
- ECE 644 - Introduction to Wireless and Personal Communications

#### **Systems**

- Fin 624 – Corporate Finance
- Fin 626 - Financial Investment Institutions
- Fin 631 - Working Capital Management and Credit Analysis
- Fin 632 - Financial Valuation of Technology-Based Companies
- Fin 634 - Mergers, Acquisitions, and Restructuring
- IS 634 - Information Retrieval
- IS 681 - Computer Security Auditing
- Mgmt 630 - Decision Analysis
- Mgmt 635 - Data Mining and Analysis
- Mgmt 650 - Knowledge Management
- MIS 625 - Management Strategies for E-Commerce
- MIS 690 - Executive Information Systems