

# MASTER OF SCIENCE IN MANAGEMENT INFORMATION TECHNOLOGY MANAGEMENT

The Information Technology Management program is designed to provide advanced knowledge to practicing IT professionals. The program combines a core curriculum of technology independent coursework with a diverse offering of elective courses. Students seeking a more technical focus may choose courses on intelligent systems, artificial intelligence, knowledge-base systems, simulation and modeling, groupware, data mining, and data warehousing, among others. Students expecting to work more closely with managers and users may tailor their program through topics such as information systems strategy, behavioral aspects of information systems, end-user development, and planning for information technology adoption and diffusion.

## Required Courses (15 credits)

|             |  |
|-------------|--|
| BUS ADM 743 | Information Privacy, Security & Continuity   |
| BUS ADM 744 | Information Technology Strategy & Management |
| BUS ADM 747 | Service-Oriented Analysis and Design         |
| BUS ADM 749 | Data and Information Management              |
| BUS ADM 810 | Development of Web-Based Solutions           |

## Elective Courses (15 credits)

**Choose five courses from the following:**

|              |  |
|--------------|--|
| BUS ADM 741  | Web Mining and Analytics                                     |
| BUS ADM 742  | Big Data in Business   |
| BUS ADM 745  | Artificial Intelligence for Business                         |
| BUS ADM 746  | Topics in Information Technology Management (current topics) |
| BUS ADM 748  | Managing Information Technology Projects                     |
| BUS ADM 811  | Process and Work-Flow Management                             |
| BUS ADM 812  | Machine Learning for Business                                |
| BUS ADM 813  | Social Media Analytics for Business                          |
| BUS ADM 814  | Enterprise Knowledge and Semantic Management                 |
| BUS ADM 816  | Business Intelligent Technologies and Solutions              |
| BUS ADM 817  | Infrastructure for Information Systems                       |
| BUS ADM 818  | Information Systems Practicum                                |
| BUS ADM 819  | Information Technology Management Internship                 |
| BUS MGMT 732 | Enterprise Resource Planning                                 |
| BUS MGMT 733 | Enterprise Simulation Game                                   |

## Artificial Intelligence (AI) & Data Analytics Concentration (15 credits)

**Choose five courses from the following:**

|             |  |
|-------------|--|
| BUS ADM 741 | Web Mining and Analytics                   |
| BUS ADM 742 | Big Data in Business                       |
| BUS ADM 745 | Artificial Intelligence for Business       |
| BUS ADM 812 | Machine Learning for Business              |
| BUS ADM 813 | Social Media Analytics for Business        |
| BUS ADM 816 | Bus. Intelligence Technologies & Solutions |

**Degree completion: 30 Credits**

Students admitted to the MS-ITM program without sufficient background must complete: BUS ADM 335 Visual System Development, 3 cr.

# MS MANAGEMENT: INFORMATION TECHNOLOGY MANAGEMENT **COURSE MAPPING**

## **Full Time Student (Fall Start)**

### **Fall One**

Bus Adm 744 Information Technology Strategy & Management  
Bus Adm 747 Service-Oriented Analysis and Design  
MS ITM Elective  
MS ITM Elective

### **Spring One**

Bus Adm 743 Information Privacy, Security & Continuity  
Bus Adm 749 Data and Information Management  
MS ITM Elective  
MS ITM Elective

### **Summer**

No summer classes

### **Fall Two**

Bus Adm 810 Development of Web-Based Solutions  
MS ITM Elective

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## **Full Time Student (Spring Start)**

### **Spring One**

Bus Adm 743 Information Privacy, Security & Continuity  
Bus Adm 749 Data and Information Management  
MS ITM Elective  
MS ITM Elective

### **Summer**

No summer classes

### **Fall**

Bus Adm 744 Information Technology Strategy & Management  
Bus Adm 747 Service-Oriented Analysis and Design  
Bus Adm 810 Development of Web-Based Solutions  
MS ITM Elective

### **Spring Two**

MS ITM Elective  
MS ITM Elective

\*Summer start, parttime, and other sequences are available. Sequences listed are most common and assume foundation courses have been completed.

## **FOR MORE INFORMATION:**

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