Anderson School of Management

MANAGEMENT INFORMATION SYSTEMS CONCENTRATION-MBA

ALL CONCENTRATION INFORMATION EFFECTIVE FOR STUDENTS ADMITTED FALL 2010 OR THEREAFTER. REVISED JULY 2012.

GENERAL DESCRIPTION

The field of management information systems (MIS) encompasses the analysis, design, implementation, and management of information systems. Information systems help to control operations through transaction processing and also support planning and decision-making activities in all functional areas of an organization. Successful information system professionals need excellent communication skills (verbal and written), technical expertise in computer hardware and software systems, knowledge of the application domain, and the ability to work well with people. The MIS concentration focuses on IS resource management, advanced topics in system development, and management tools and techniques.

Job opportunities for graduates include positions such as systems analyst, information resource manager, system or network administrator, and database administrator, among others. Local employers and recruiters of MBA-MIS graduates include the City of Albuquerque, Bernalillo County, Department of Energy, Ethicon, Intel, various agencies located at Kirtland Air Force Base, Los Alamos National Laboratories, Lovelace Health Systems, Presbyterian Health Systems, UNM Health Sciences Center, Public Service Company of New Mexico, Sandia National Laboratories, the State of New Mexico, and the University of New Mexico. Regional and National organizations that recruit MBA-MIS graduates include Ford Motor Company (Texas and Michigan), General Motors (Michigan), IBM (Texas and other locations), Lawrence Livermore Laboratories (California), and various agencies of the Federal Government.

MBA MIS CONCENTRATION PREREQUISITES

One semester of programming, such as CS 152L (Computer Programming Fundamentals for Computer Science Majors) or MGMT 330 (Business Programming Fundamentals for MIS majors at ASM) or equivalent programming experience is a prerequisite for MGMT 632, 634, and 637. MGT 639 requires instructor permission. All other courses have no prerequisites. Students may petition the concentration advisor for prerequisite or required course waivers based on equivalent coursework, professional training, or professional experience.

MBA MIS CONCENTRATION REQUIREMENTS

The concentration requirements are 15 credit hours of graduate MIS courses.
Required Courses:
MGMT 634 (Information Systems Analysis & Design)*
- Prerequisite: **MGMT 330 or CS 152L and Instructor Permission Required**
MGMT 637 (Database Management Systems)*
- Prerequisite: **MGMT 330 or CS 152L and Instructor Permission Required**
*May be waived based on equivalent undergraduate coursework and substituted with MIS electives (see over) with prior written consent of the concentration advisor.

Faculty Concentration Advisor:
Nick Flor, Associate Professor
nickflor@unm.edu

http://mba.mgt.unm.edu/concentrations/mis.asp

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Elective Courses:

In addition to the two required courses above, students must choose three electives from the following:
MGMT 630   Management of Information Systems
MGMT 631   Information Systems Project Management
MGMT 632   Web Application Development
                - Prerequisite: **MGMT 330 or CS 152L and Instructor Permission Required**
MGMT 635   Decision Support and Business Intelligence Systems
MGMT 636   Information Systems Security
MGMT 639*   Advanced Topics in Management information Systems
MGMT 646   Digital Forensics - Prerequisite: **MGMT 336 or 636**
MGMT 647   System and Network Administration
MGMT 697   MIS Internship (Concentration advisor permission required-see Career Services Office)
Other courses approved by the concentration advisor.

*Multiple MGMT 639 sections may be used to satisfy concentration requirements as long as the topics vary.

Students may also count courses from other departments (e.g., Computer Science) toward their concentration requirements if approved by the concentration advisor in advance. Each student is strongly encouraged to meet with the concentration advisor as early as possible in their degree program to plan a suitable program of study.

SCHEDULE OF COURSE OFFERINGS

MBA-MIS courses are scheduled as follows, subject to student demand and faculty availability:
Fall: MGMT 630, 631, 635, 636, 637, and 646
Spring: MGMT 632, 634, 636, and 647

CS 152L is normally offered every semester including summer by the Computer Science department. MGMT 330 is normally offered in the fall and spring semesters.

DUAL CONCENTRATIONS – MBA-MIS & MBA-IA

Students can pursue an MIS concentration and combine it with a concentration in Information Assurance (IA). Due to overlapping course requirements, students pursuing an MIS concentration can typically complete a second concentration in IA with three additional courses. Students intending to pursue a dual concentration need to plan their studies in advance and coordinate the plan with both concentration advisors.

Revised July 2012