

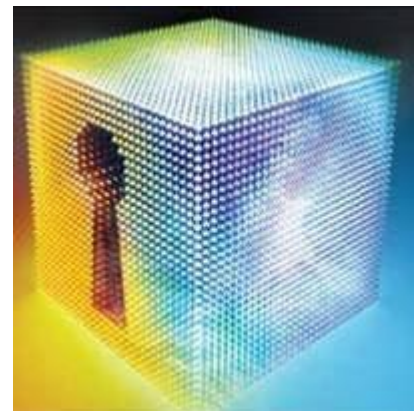


UNM ANDERSON SCHOOL  
of MANAGEMENT



## Why the Information Assurance Program at Anderson?

- An AACSB accredited program with an emphasis in the management of information security, fraud and forensic accounting and an interdisciplinary focus on behavioral problems in protecting information.
- A designation from the National Security Agency (NSA) and the Department of Homeland Security (DHS) as a center of academic excellence in IA (CAEIA) that ensures to our students, peers and community that the program meets “the criteria *which* are designed to measure and recognize the depth and maturity of Information Assurance (IA) academic programs, and to stimulate the development of broad-ranging IA programs in order to meet the varying needs of the student population, including work force professionals, as well as the employment needs of government and industry”. As of May 2008 only 4 other Universities with a program in management had received this designation.
- A partnership with the FBI and its Regional Computer Forensics Lab (RCFL), housed at UNM, through training, and student internships and coops. Additional opportunities for our students include the FBI’s honors internships and volunteer internships. While there are 16 RCFLs throughout the U.S., only one other, RCFL Kentucky, operates in collaboration with a University (Louisville).
- Access to internships with the Department of Energy’s first satellite office for the College Cyber Defenders through Sandia National Laboratories.
- The possibility to participate in the Metro Law Enforcement Internship program designed for students to work with local white collar crime units.



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# MBA Information Assurance (IA)

Information assurance (IA) is an interdisciplinary concentration combining specialized aspects of information systems and accounting. The Committee on National Security Systems (CNSS) defines IA as “Measures that protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality, and nonrepudiation. These measures include providing for restoration of information systems by incorporating protection, detection, and reaction capabilities.” The CNSS definition is purposely broad and includes many areas of management beyond computer security including auditing, forensic accounting, organizational design, and policy and planning. As such, an MBA program is a natural “home” for an IA concentration.

Students can pursue IA as a stand-alone concentration or combine it with an Accounting or MIS concentration. Because of overlapping course requirements, students pursuing an Accounting or MIS concentration can typically complete a second concentration in IA with two or three additional courses. Students intending to pursue a dual concentration need to plan their studies in advance and coordinate the plan with concentration advisors.

Demand for IA skills is strong due to the need of organizations to secure their information systems and data. The Sarbanes-Oxley Act and related changes in accounting and auditing standards have also created many new IA employment opportunities. There is a strong local and national demand for IA skills in public and private sector MIS departments and in the audit staffs of public accounting firms and private organizations. Sandia National Laboratories has many positions that require IA skills.

## Curriculum

### MBA IA Concentration Prerequisites

There are no formal concentration prerequisites though some concentration classes have individual prerequisites. Students taking advanced accounting classes need at least one accounting course (typically MGMT 540) beyond the required MBA core. Students taking MGMT 637 need at least an introductory exposure to computer programming which can be demonstrated by completing CS 152L, MGMT 330, or an equivalent course. Students need to complete MGMT 636 before taking MGMT 639 (Advanced IS Security). Applicable work experience may suffice in lieu of course prerequisites. Speak with the program advisor if you have specific questions about prerequisites.

### MBA IA Concentration Requirements

Five courses are required. Courses eligible for concentration credit include:

MGMT 544 - Assurance Services	MGMT 639 - Information Assurance
MGMT 594 - Internal Auditing and Investigations	MGMT 639 - Computing Forensics
MGMT 636 - Information System Security	MGMT 641 - Forensic Accounting
MGMT 637 - Database Management Systems	MGMT 642 - Fraud Examination
MGMT 639 - Advanced IS Security	

Multiple MGMT 639 sections may be counted toward the concentration requirements as long as the topics vary and are related to IA. MGMT 551 and 552 (independent study) sections covering IA-related topics may count toward the concentration requirements with advance approval.

### Schedule of Course Offerings

MBA-IA courses are scheduled subject to student demand and faculty availability.

Scheduled offerings for **Fall 2009** are as follows:

MGMT 636 - Information System Security	Online	Call Number: 13966
MGMT 639 - Advanced IS Security	Online	Call Number: 24384
MGMT 642 - Fraud Examination	Thursdays 5:30p – 8:00p	Call Number: 33864

Planned offerings for **Spring 2010** are as follows:

- MGMT 636 – Information Systems Security (online)
- MGMT 637 – Database Management Systems
- MGMT 639 – Computer Forensics
- MGMT 639 – System and Network Administration
- MGMT 639 – Forensics Accounting