The Master of Science program in Information Systems is designed to prepare students for specialized roles in information systems. The MS program is offered in both the traditional semester format, and in an executive (alternate weekend) format. The executive program focuses on Information Technology Management and is designed for students with six or more years professional experience.

The traditional semester format program is intended to prepare students for senior level positions, planning, organizing, managing, designing, configuring and implementing information systems, using state-of-the-art technologies, methods, techniques, and tools.

## CURRICULUM

### PREREQUISITES:

Students enrolled as majors in the program who do not have formal background or equivalent training must take the appropriate undergraduate courses to satisfy the prerequisite prior to taking Master's program courses.

- INFO 300 - Computer Hardware and Software
- INFO 350 - Intermediate Programming
- INFO 360 - Management Information Systems
- INFO 361 - Systems Analysis and Design
- INFO 364 - Database Systems
- INFO 370 - Data Communications
- MGMT 212 - Calculus

### FOUNDATION COURSES:

Students who do not have a business degree must complete a minimum of four 500-level business foundation courses (12 credit hours). Foundation courses may be waived for students who present satisfactory, equivalent preparation at either the undergraduate or graduate level.

### REQUIRED CORE COURSES:

The program consists of 30 graduate credit hours including: four core courses (12 credit hours), two concentrations (12 credit hours), and two elective courses (6 credit hours).

- INFO 610 Database Systems
- INFO 620 Data Communications
- INFO 630 Systems Development
- INFO 640 Information Systems Mgmt

### CONCENTRATIONS:

In addition to the core courses, students must select two concentration areas from those listed below.

- Business Engineering (2 courses)
- Knowledge Engineering (2 courses)
- Information Assurance (2 courses)
- Information Technology Management (2 Courses)

### ELECTIVES:

Two elective courses may be selected from the following list:

http://www.gsib.bus.vcu.edu/MSIS/시스.html