

# INFORMATION SYSTEMS & BUSINESS ANALYTICS CONCENTRATION

## OVERVIEW

Information and data analytics technologies are transforming all aspects of business. Students who concentrate in Information Systems and Business Analytics (ISBA) can acquire the knowledge and skills needed to take a leading role in these innovative fields. The curriculum of the ISBA concentration covers the topics in business analytics and its information systems foundation. All Management majors are required to complete at least one concentration; the Information Systems and Business Analytics concentration is one of nine current options.

## CAREER PATH

Courses in the ISBA program are designed to offer students options for a career path in **Business Analytics** or **Information Systems**. The Business Analytics path prepares students for careers that address the best use of data in contemporary business environments while the Information Systems path prepares students for highly demanding careers in today's digitalized business environment that are typically positioned as bridges among business managers, end-users/customers, and IT departments/vendors.

## CONCENTRATION REQUIREMENTS

Six courses to complete concentration (18 credits)

### FOUR REQUIRED COURSES:

**IT 370** Business Intelligence Applications  
**IT 471** Data Warehousing for Business Intelligence

**MSIS 230** Relational Databases  
**MSIS 310** Introduction to Coding for Business

### SELECT TWO ELECTIVES:

#### *Business Analytics Career Path*

**IT 456** Information Storage and Management  
**IT 472** Data Mining for Management Applications  
**MSIS 411** Advanced Database Systems  
**MSIS 415** Advanced Coding for Analytics  
**MSIS 454** Supply Chain Management  
**MSIS 455** Decision Analysis  
**SCSM 450** Service Operations Management

#### *Information Systems Career Path*

**IT 360** Enterprise Software  
**MSIS 414** Computer Networks for Management  
**MSIS 425** Project Management  
**MSIS 428** Information System Security  
**MSIS 461** Systems Analysis and Design

"I decided to study ISBA because it is not only interesting and informative, but students also receive a great knowledge foundation for future jobs. Information systems and technology is an ever-evolving field, and having a background in this gives you a competitive edge in the work environment."