

Decision Sciences and Information Systems

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Purpose

The purpose of the Department of Decision Sciences and Information Systems is to provide students with the knowledge and ability to design, develop, and implement information systems that will help enterprises solve their problems effectively. Students will be given a solid foundation in the design, use, and management of databases, enterprise systems, telecommunications technology, information security, and electronic commerce systems. The department offers courses in management information systems, management science, and production and operations management, and business statistics at both the graduate and undergraduate levels.

Management Information Systems Major

Undergraduate business students can opt to major in Management Information Systems (MIS). This major provides students with the background they need to give informational support for decision-making, design databases and systems including electronic commerce systems and data communications systems, and understand the project management aspects in organizations.

Graduates will be prepared for entry-level positions in MIS, either in user- or system-oriented departments.

Degree Program Requirements (120 credit hours)

| | |
|----------------------------------|----------|
| Lower-Division/Business Pre-Core | 60 hours |
| Upper-Division/Business Core | 30 hours |
| Major Courses | 24 hours |
| Business Electives | 6 hours |

Lower Division/ Business Pre-Core

The "General Information" section in this catalog describes the lower division requirements. The Business Pre-Core requirements are listed in the first section of this "College of Business Administration" chapter. Students must complete all lower division and Business Pre-Core requirements no later than the first semester of their third year of undergraduate study.

Upper Division/Business Core

The College's Business Core Requirements are listed in the first section of this "College of Business Administration" chapter.

Major Courses (3 credit-hours each)

| | |
|----------|---------------------------------|
| ISM 3153 | Enterprise Information Systems |
| ISM 4400 | Management Support Systems |
| ISM 4220 | Business Data Communications |
| ISM 4210 | Data Base Applications |
| ISM 4054 | Introduction to Web Management |
| ISM 4113 | Systems Analysis and Design |
| ISM 4151 | Systems Management |
| ISM 4323 | Information Security Management |

Business Electives

Students may take two business electives among the following courses:

| | |
|----------|---------------------------------|
| ISM 4340 | Organizational Impacts |
| ISM 4949 | Cooperative Education in MIS II |

or

Additional courses offered by the department

or

Business courses after obtaining approval from the department

Academic Standard

The Department of Decision Sciences and Information Systems requires that students receive a grade of "C" or higher in all major courses, and a passing grade in business electives in order to remain in the degree program.

Certificate in Business Intelligence (CBI)

The Certificate in Business Intelligence is designed for those who are interested in acquiring expertise and skills in the emerging area of business intelligence. Business

intelligence (BI) is a term that refers to the set of technologies, tools and procedures used to collect, store, and share data to perform data analysis, produce reports and improve decision making. This certificate is designed to help students acquire the expertise and set of skills needed to successfully manage and deliver BI, and to provide students an understanding of the business domain where BI is applicable.

The core program consists of following four required and two electives undergraduate business courses. Students who receive a grade of "C" or higher in all courses, will be presented with a Certificate in Business Intelligence.

The four required courses are:

| | |
|----------|--|
| QMB 3200 | Applications of Quantitative Methods in Business |
| ISM 4210 | Data Base Applications |
| ISM 4400 | Management Support System |
| ISM 4402 | Business Intelligence and Reporting |

The two elective courses for the Certificate in Business Intelligence should be chosen from the following:

| | |
|----------|--|
| MAR 4503 | Consumer Behavior |
| MAR 4860 | Customer Relationship Management |
| MAR 4613 | Managing Marketing Information |
| MAR 4620 | Tools for Managing Marketing Information |
| ISM 4054 | Introduction to Web Management |
| FIN 3403 | Financial Management |
| FIN 4502 | Securities Analysis |
| FIN 4594 | Financial Software Applications |

Certificate in Project Management (CPM)

The Certificate in Project Management is designed for those who are interested in acquiring expertise and skills in the growing discipline of project management. Since project is the basic unit through which companies organize and manage their business activities, project management skills translate directly to success for business professionals in all fields. Therefore, this certificate is designed to be open to all to help them acquire the set of basic expertise and skills to be able to effectively manage projects upon completion of the certificate.

The core program consists of following four required and two electives undergraduate business courses. Students who receive a grade of "C" or higher in each of the courses, will be presented with a Certificate in Project Management.

The four required courses are:

| | |
|----------|-------------------------------------|
| MAN 4504 | Operations Management |
| MAN 4583 | Productivity and Project Management |
| ISM 4113 | System Analysis and Design |
| ISM 3153 | Enterprise Information Systems |

The two elective courses for the Certificate in Project Management should be chosen from the following:

| | |
|----------|-------------------------------|
| ISM 4151 | Systems Management |
| MAN 4711 | Business-Community Leadership |
| MAN 4301 | Human Resource Management |
| MAN 4164 | Leadership |
| MAN 4064 | Crisis Management |
| MAN 4613 | International Risk Assessment |

MAN 4120

Managing Virtual Teams