Decision Sciences and Information Systems

Christos P. Koulamas, Professor and Chair, Ryder Eminent Scholar and Senior Associate Dean and Faculty Director, MSMIS Program, International Executive MBA Jamaica and Professional MBA Dominican Republic and Panama
Dinesh Batra, Professor and Knight Ridder Research Fellow
Irma Becerra Fernandez, Associate Professor; Director and Fellow, Eugenio Pino and Family Global Entrepreneurship Center
Nancy Borkowski, Clinical Associate Professor and Faculty Director, Healthcare Management MBA Program
Karlene Cousins, Associate Professor
Stylianos Drakatos, Lecturer
Kaushik Dutta, Assistant Professor
Joyce J. Elam, Professor, James L. Knight Eminent Scholar and Executive Dean
S. Christopher Ellis, Instructor
Sushil K. Gupta, Professor and Knight Ridder Center Research Fellow
Gerard Klonarides, Instructor
Kuldeep Kumar, Professor
George J. Kyparisis, Professor and Knight Ridder Center Research Fellow
Ronald M. Lee, Professor
Deisell Martinez, Visiting Assistant Professor
Manoel Oliveira, Lecturer and Director of Technology Center
Dasaratha V. Rama, Professor and Knight Ridder Center Research Fellow
Larry A. Smith, Associate Professor
Monica Tremblay, Assistant Professor
Debra Vander Meer, Assistant Professor
Nicole Wishart, Lecturer
Weidong Xia, Associate Professor
Steve H. Zanakis, Professor

Participating Adjunct Faculty
Susan Clemmons
Stylianos Drakatos
Faisal Kaleem
Geraldine Klonarides
Thant Sin

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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISM 3153</td>
<td>Enterprise Information Systems</td>
</tr>
<tr>
<td>ISM 4400</td>
<td>Management Support Systems</td>
</tr>
<tr>
<td>ISM 4220</td>
<td>Business Data Communications</td>
</tr>
<tr>
<td>ISM 4210</td>
<td>Data Base Applications</td>
</tr>
<tr>
<td>ISM 4054</td>
<td>Introduction to Web Management</td>
</tr>
<tr>
<td>ISM 4113</td>
<td>Systems Analysis and Design</td>
</tr>
<tr>
<td>ISM 4151</td>
<td>Systems Management</td>
</tr>
<tr>
<td>ISM 4323</td>
<td>Information Security Management</td>
</tr>
</tbody>
</table>

Business Electives

Students may take two business electives among the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISM 4340</td>
<td>Organizational Impacts</td>
</tr>
<tr>
<td>ISM 4949</td>
<td>Cooperative Education in MIS II</td>
</tr>
</tbody>
</table>

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