Information Systems and Business Analytics

Richard Klein, Interim Chair, Assistant Dean for Undergraduate Affairs, College of Business, Associate Professor and Knight Ridder Research Fellow
David Agogo, Assistant Professor
Dinesh Batra, Professor and Knight Ridder Research Fellow
Lina Bouaya, Assistant Professor
Min Chen, Assistant Professor
Yan Chen, Assistant Professor
Karlene Cousins, Associate Professor and Academic Director, MS in Information Systems
Gloria Deckard, Associate Professor and Academic Director, MS in Health Informatics and Analytics
S. Christopher Ellis, Instructor and Academic Director, Corporate MBA Program
Pouyan Esmail Zadeh, Assistant Professor
Paulo J. Gomes, Assistant Professor
Manjul Gupta, Assistant Professor
Sushil K. Gupta, Professor and Knight Ridder Research Fellow
Hyeyoung Hah, Assistant Professor
Attila J. Hertelendy, Instructor
Karim Jethra, Assistant Professor
Keum S. Kang, Assistant Professor
Gerard Klonardes, Lecturer
Christos P. Koulamas, Professor and Ryder Eminent Scholar
Kuldeep Kumar, Professor
George J. Kyparisis, Professor and Knight Ridder Center Research Fellow
Cynthia LeRouge, Associate Professor
George Marakas, Professor
Tala Mirzaei, Assistant Professor
Manoel Oliveira, Senior Instructor
Carlos Parra, Clinical Professor
Peter Polak, Instructor
Gladys Simpson, Instructor
Hemang C. Subramanian, Assistant Professor
Debra VanderMeer, Associate Professor
Nicole Wishart, Senior Instructor
Weidong Xia, Associate Professor and Knight Ridder Center Research Fellow

Mission

The mission of the Department of Information Systems and Business Analytics (ISBA) to provide students with the knowledge and ability to design, develop, implement, and use information systems that allow organizations to effectively solve problems within organizations; and to provide students with the knowledge and ability to analyze and use data for decision-making within organizations. The department offers courses in business analytics, business statistics, health informatics management information systems, operations management and project management, at both the graduate and undergraduate levels.

Students in information systems related graduate programs learn the intellectual frameworks and methods used in areas including business analytics, business process design, database management, data warehousing, global electronic commerce, enterprise-wide information systems, information security management, project management, and systems analysis and design (including object-oriented applications).

The Department offers a Master of Science in Health Informatics and Analytics (MSHIA), Master of Science in Information Systems (MSIS), and Management Information Systems (MIS) concentration within the College of Business’ Ph.D. in Business Administration program.

Master of Science in Health Informatics and Analytics (MSHIA)

Our Master of Science in Health Informatics and Analytics is a fourteen month graduate degree program designed for information systems professionals, physicians, nurses, other clinical personnel and healthcare managers who want to increase their knowledge of health information technology and management of the complex social and organizational issues surrounding the increased emphasis on managing healthcare quality, efficiency and outcomes through information systems.

Health Informatics integrates the domains of information systems with the organizational domains of healthcare delivery processes and leadership and management principles. The goal of this program is to educate effective developers, users, and managers of health information systems. Students will learn how to implement and use the health information systems needed by hospital and system executives, government planners, public health officials, and other healthcare professionals. Courses will have both an academic and practical perspective, exposing students to both theoretical approaches and real world application.

Admission Requirements

To be eligible for admission to the MSHIA degree program in the Chapman School, prospective students must:
1. Hold a Bachelor's degree or equivalent from an accredited college or university.
2. Achieve a minimum score of 500 on the Graduate Management Admission Test (GMAT) or Graduate Record Exam (GRE) or have a minimum of four years of professional experience. If the applicant already completed a graduate degree from an accredited university with a minimum of a 3.0 grade point average (GPA), he or she may be eligible for a GMAT or GRE waiver.
3. Have a minimum upper division grade point average (GPA) of 3.0.
4. Provide a personal statement on the motivation to attend the program, including personal and career goals.
5. Graduate student applicants whose studies were completed outside of the US must demonstrate proficiency in the English language by presenting a minimum score of 80 on the iBT TOEFL (equivalent to 550 on paper-based version) or 6.5 overall of the International English Language Testing System (IELTS).
6. If applicant is a student in the Graduate Certificate in Healthcare Management, and have completed the first 12 credits with a GPA of 3.25 or higher, he or she may be eligible for admission to the program.
Appropriate courses from the Certificate program may be transferred into the degree program.

7. Be in good standing with all previously-attended colleges and universities.

Admissions at the graduate level are competitive and meeting minimum program requirements does not guarantee admission.

Graduation Requirements

To graduate with the Master’s degree, a student must:
1. Satisfy all University requirements for a Master’s degree.
2. Meet the 36 hours required in the M.S. in Health Informatics and Analytics “Program of Study.”
3. Earn an overall “B” (3.0) cumulative Grade Point Average.
4. No courses in which a graduate student earns a grade below "C." may be counted towards any Master’s degree program in the Chapman School.
5. Completion Professional Development Seminars I-III (0 credits) offered through the College of Business.

Program Format

Students will complete the program in 14 months. Students will complete this program as a cohort. The program will be offered in two modes of deliver. 1) on Saturdays and 2) online. Two courses will be taken each term. The students will be considered full time as within a “semester”, or two terms in the cohort, they will complete 12 graduate credit hours.

Required Courses

- HIM 6682 Concepts in Healthcare Informatics 3
- ISM 6205 Database Management 3
- ISM 6326 Information Security and Compliance 3
- ISM 6404 Business Data Visualization and Reporting 3
- HIM 5065 Introduction to Health and Health Informatics 3
- QMB 6357C Business Analysis for Decision Making 3
- HIM 6685 Electronic Health Record and Clinical Support Systems 3
- HIM 6019 Legal and Ethical Aspects of Healthcare 3
- MAN 6245 Organizational Behavior 3
- ISM 6305 Information Systems Planning 3
- ISM 6316 Project Management of Information Sciences 3
- ISM 6128 Business Process Design 3

Professional Development Seminars I, II, III Seminars will be mandatory, non-credit.

For more information, please contact the Program Manager at mshims@fiu.edu or (305) 779-7980.

Master of Science in Information System (MSIS)

Our Master of Science in Information Systems (MSIS) is the only program of its kind designed with strategic direction from the top South Florida Chief Information Officers (CIOs) ensuring our program delivers knowledge critical to the success of future CIOs.

To better prepare students for senior managerial and executive roles, we offer an integrated curriculum that combines technical and IS/IT management skills, including electronic commerce management and strategy, database management, systems analysis and design, project management, knowledge management, and business analytics. This approach enables an understanding of the complexities of today’s most critical business systems and an ability to manage IT resources to produce the best results for the organization.

1. Students complete the program in 14 months (classes Saturdays).
2. Students improve soft skills through numerous professional development seminars focused on leadership, team-building skills, oral and written presentation skills, and career preparation, while gaining experience in sought after technology skills.

Admission Requirements

To be eligible for admission to the MSIS degree program in the Chapman School, prospective students must:

1. Hold a Bachelor’s degree or equivalent from an accredited college or university.
2. Show high promise of success in graduate work as determined by the faculty based on a minimum score of 500 on the Graduate Management Admission Test (GMAT) or a minimum combined score of 2000 (297 on new scale) on the Graduate Record Exam (GRE) or demonstrate at least four years of IT (Information Technology) related work experience. If the applicant already completed a graduate degree from an accredited university with a minimum of a 3.0 grade point average (GPA), or is entering a business master’s program under a special agreement for admissions with specific foreign universities, he or she would be eligible for a GMAT or GRE waiver at the discretion of the faculty director.
3. Have a minimum upper division grade point average (GPA) of 3.0.
4. Provide a personal statement on the motivation to attend the program, including personal and career goals.
5. Graduate student applicants whose studies were completed outside of the US must demonstrate proficiency in the English language by presenting a minimum score of 80 on the iBT TOEFL (equivalent to 550 on paper-based version) or 6.5 overall of the International English Language Testing System (IELTS).
6. Be in good standing with all previously-attended colleges and universities.

Admissions at the graduate level are competitive and meeting minimum program requirements does not guarantee admission.

The following ten courses are required for the MSMIS degree:

- ISM 6205 Database Management 3
- ISM 6316 Project Management of Information Sciences 3
- ISM 6106 Systems Analysis 3
- ISM 6136 Business Analytics Applications 3
- ISM 6128 Business Process Design 3
- ISM 6307 Management of the Information Technology
To complete the MSIS degree, students need to successfully complete all 12, three-credit hour courses, including classroom exercises in group decision-making and problem-solving. Challenging outdoor exercises help participants build the skills they will need to work together in the program and to succeed in today's team-based organizations. Students will also work with a presentation and writing skills coach to improve the communication and writing skills that are critical to managerial success.

Professional Development Seminars will focus on soft skills such as leadership, team building, oral presentation, writing skills, and career exploration. There will be team-building activities, including classroom exercises in group decision-making and problem-solving. Challenging outdoor exercises help participants build the skills they will need to work together in the program and to succeed in today’s team-based organizations. Students will also work with a presentation and writing skills coach to improve the communication and writing skills that are critical to managerial success.

Professional Development Seminars

Seminars will focus on soft skills such as leadership, team building, oral presentation, writing skills, and career exploration. There will be team-building activities, including classroom exercises in group decision-making and problem-solving. Challenging outdoor exercises help participants build the skills they will need to work together in the program and to succeed in today’s team-based organizations. Students will also work with a presentation and writing skills coach to improve the communication and writing skills that are critical to managerial success.

Professional Development Seminars I, II, III

Optional Elective
ISM 6942 MIS Internship 1-3

Trimester Format

Students will complete the program in 14 months with classes on Saturdays. Students will complete this program as a cohort. The program offers almost all classes in 8-week terms. Two to three courses each term. Students will be considered full-time during a “semester”, or two terms in the cohort, they will complete at least 12 graduate credit hours.

Master of Science in Information Systems/Master of Business Administration Joint Degree Program

The Master of Science in Information Systems and the MBA program in the Alvah H. Chapman Jr. Graduate School of Business at Florida International University are offering a joint degree program culminating in both a Master of Business Administration (MBA), and a Master of Science in Information Systems degree (MSIS). Under the joint degree program, a student can obtain both degrees in significantly less time than it would take to obtain both degrees if pursued consecutively. The joint degree program will use existing faculty, courses, and resources. Important criteria relating to the joint degree program are as follows:

1. Candidates to the joint degree program must meet the entrance requirements established by each individual program. Candidates must indicate on the application their intention to pursue the joint degree option. Candidates deciding to pursue the joint degree option after having been admitted to one program will indicate this intention only on their second application.

2. Applications for a joint degree will not be accepted from candidates who have already completed either degree. MBA or MSIS students must apply and be admitted no later than the second to last semester in which they are expected to complete their original degree requirements.

3. Candidates must satisfy all requirements for each degree. The two degrees will have two – four common courses. All courses transferred between degrees must be completed with a grade point average of 3.0 or higher. MSIS courses transferred to meet MBA elective credit must be 6000 level courses approved by the University Curriculum Committee. Directors of the MBA and MSIS degree programs may adjust these exact course requirements as a result of future changes to the MBA or MSIS curriculums.

3.1 Joint Flex MBA/MSIS Degree

To obtain MSIS/MBA through the Flex program, students must complete the following courses for a total of 66 credit hours as follows:

In the Flex MBA Program (33 credit hours):
ACG 6026 Accounting for Managers 3
ACG 6175 Financial Reporting & Analysis 3
BUL 6810 Legal Environment 3
FIN 6406 Corporate Finance 3
FIN 6446 Competitive Strategy 3
MAN 6501 Operations Management 3
MAN 6245 Organizational Behavior 3
MAN 6726 Strategic Management 3
MAN 6830 Organizational Information Systems 3
MAR 6805 Marketing Management in the Global Environment 3
MAR 6830 Corporate Simulation 3
QMB 6357C Business Analysis for Decision Making 3

In the MSIS program (33 credit hours):
ISM 6106 Systems Analysis & Design 3
ISM 6205 Database Management 3
ISM 6136 Business Analytics Applications 3
ISM 6307 Management of the Information Systems Function 3
ISM 6208 Data Warehousing 3
ISM 6128 Business Process Design 3
ISM 6328 Information Security Management 3
ISM 6338 Information Systems Strategy & Governance 3
ISM 6316 Project Management of Information Sciences 3
### Joint International MBA/MSIS Degree

To obtain MSIS/MBA through the International program, students must complete the following courses for a total of 75 credit hours as follows:

#### In the IMBA program (42 credit hours):
- **ACG 6026** Accounting for Managers 3
- **ACG 6175** Financial Reporting & Analysis 3
- **BUL 6810** Legal Environment of Business 3
- **FIN 6406** Corporate Finance 3
- **FIN 6446** Competitive Strategy 3
- **FIN 6644** Global Financial Strategy 3
- **MAN 6608** International Business 3
- **MAN 6501** Operations Management 3
- **MAN 6679** Master's Project 3
- **MAN 6726** Strategic Management 3
- **MAR 6805** Marketing Management in the Global Environment 3
- **QMB 6357C** Business Analysis for Decision Making 3
- **MAN 6703** Colloquium in Managing Organizational Ethics 1
- **MAR 6816** Corporate Simulation 3
- **MAR 6805** Marketing Management in the Global Environment 3
- **QMB 6357C** Business Analysis for Decision Making 3
- **Professional Development Seminars (PDS)**

#### In the MSIS program (33 credit hours):
- **ISM 6106** Systems Analysis & Design 3
- **ISM 6205** Database Management 3
- **ISM 6136** Business Analytics Applications 3
- **ISM 6208** Data Warehousing 3
- **ISM 6128** Business Process Design 3
- **ISM 6328** Information Security Management 3
- **ISM 6338** Information Systems Strategy & Governance 3
- **ISM 6316** Project Management of Information Sciences 3
- **ISM 6106** Systems Analysis & Design 3
- **ISM 6205** Database Management 3
- **Professional Development Seminars (PDS)**

### Joint Professional MBA/MSIS Degree

To obtain MSIS/MBA through the Professional program, students must complete the following courses for a total of 72 credit hours as follows:

#### In the PMBA program (39 credit hours):
- **ACG 6026** Accounting for Managers 3
- **ACG 6175** Financial Reporting & Analysis 3
- **BUL 6810** Legal Environment of Business 3
- **FIN 6406** Corporate Finance 3
- **FIN 6446** Competitive Strategy 3
- **FIN 6644** Global Financial Strategy 3
- **MAN 6608** International Business 3
- **MAN 6501** Operations Management 3
- **MAN 6679** Master's Project 3
- **MAN 6726** Strategic Management 3
- **MAR 6805** Marketing Management in the Global Environment 3
- **QMB 6357C** Business Analysis for Decision Making 3
- **Professional Development Seminars (PDS)**

#### In the MSIS program (33 credit hours):
- **ISM 6106** Systems Analysis & Design 3
- **ISM 6205** Database Management 3
- **ISM 6136** Business Analytics Applications 3
- **ISM 6208** Data Warehousing 3
- **ISM 6128** Business Process Design 3
- **ISM 6328** Information Security Management 3
- **ISM 6338** Information Systems Strategy & Governance 3
- **ISM 6316** Project Management of Information Sciences 3
- **ISM 6106** Systems Analysis & Design 3
- **ISM 6205** Database Management 3
- **Professional Development Seminars (PDS)**

Two of the following courses (selected at the Department's discretion for each cohort) are required for the MSIS degree:

- **ISM 6024** Managing Distributed Architecture 3
- **ISM 6156** Enterprise Information Systems 3
- **ISM 6251** Emerging Information Technologies 3
- **ISM 6489** Electronic Commerce and Internet Business Applications 3
- **ISM 6138** Managing Unstructured Data 3
- **ISM 6930** Special Topics in Management Information Systems 3
- **ISM 6942** MIS Internship 3
- **ISM 6942** MIS Internship 1–3

Two of the following courses (selected at the Department's discretion for each cohort) are required for the MSIS:...
Important criteria relating to the joint degree program are as follows: 

1. Candidates to the joint degree program must meet the entrance requirements established by each individual program. Candidates must indicate their initial application their intention to pursue the joint degree option.
2. Applications for a joint degree will not be accepted from candidates who have already completed either degree. MBA in Healthcare Management or MSHA students must apply and be admitted no later than the second to last semester in which they are expected to complete their original degree requirements.
3. Candidates must satisfy all requirements for each degree. To obtain the MSHA degree, the student will have to fulfill all the MSHA program requirements. To obtain the MBA degree, the student will have to fulfill all the MBA program requirements. The two degrees will have four common, or overlapping, courses. All courses transferred between degrees must be completed with a grade point average of 3.0 or higher. Directors of the MBA and MSHA degree programs may adjust these exact course requirements as a result of future changes to the MACC or MSIS programs.
4. Joint degree candidates will not receive either degree until all requirements for both programs have been satisfied. Students deciding against completing a second degree must satisfy all first-degree program requirements as if the student had never been a joint degree candidate.

Notes:
1 Requirements for the Corporate MBA depend on track chosen. If a candidate has elected the option of a specialization, the requirements and shared/common courses for the Flex MBA will be used. Otherwise, the requirements and shared/common courses for the PMBA will be used.
2 The Executive MBA and Professional MBA in Healthcare Management programs are not included as an option for the joint degree.

For additional information, contact the MBA office at (305) 348-0148 or the MSIS Office at (305) 348-6852.

### Master of Accounting/Master of Science in Information Systems Joint Degree Program

The School of Accounting and the MSIS program in the Alvah H. Chapman Jr. Graduate School of Business at Florida International University are proposing a joint degree program culminating in both a Master in Accounting (MACC) and a Master of Information Systems (MSIS). Under the joint degree program, a student can obtain both degrees in significantly less time than it would take to obtain both degrees if pursued consecutively. The joint degree program will use existing faculty, courses, and resources. Important criteria relating to the joint degree program are as follows:

1. Candidates to the joint degree program must meet the entrance requirements established by each individual program. Candidates must indicate their initial application their intention to pursue the joint degree option.
2. Applications for a joint degree will not be accepted from candidates who have already completed either degree.
3. Domestic undergraduate non-accounting degree holders; and international degree holders, regardless of major, will take the following courses, for a saving of 15 credits:
   - 24 credits at the 6000-level from the MSIS
   - 15 credits at the 5000-level from the MACC
   - 30 credits at the 6000-level from the MACC
4. Domestic undergraduate accounting degree holders from AACSB accredited universities may petition to waive the 5000-level MACC courses, saving an additional 15 credits.
5. All courses transferred between degrees must be completed with a grade point average of 3.0 or higher. Directors of the MACC and MSIS degree programs may adjust these exact course requirements as a result of future changes to the MACC or MSIS programs.

6. Joint degree candidates will not receive either degree until all requirements for both programs have been satisfied. Students deciding against completing a second degree must satisfy all first-degree program requirements as if the student had never been a joint degree candidate.

### Master of Science in Health Informatics and Analytics/Master of Business Administration in Healthcare Management (MSHIA/MBA-HM)

The Master of Science in Health Informatics and Analytics and the Professional MBA in Healthcare Management program in the Alvah H. Chapman Jr. Graduate School of Business at Florida International University are offering a joint degree program culminating in both a Master of Business Administration (MBA) in Healthcare Management and a Master of Science in Health Informatics and Analytics degree (MSHIA). Under the joint degree program, a student can obtain both degrees in significantly less time than it would take to obtain both degrees if pursued consecutively. The joint degree program will use existing faculty, courses, and resources. Important criteria relating to the joint degree program are as follows:

1. Candidates to the joint degree program must meet the entrance requirements established by each individual program. Candidates must indicate on the application their intention to pursue the joint degree option after having been admitted to one program will indicate this intention only on their second application.
2. Applications for a joint degree will not be accepted from candidates who have already completed either degree. MBA in Healthcare Management or MSHA students must apply and be admitted no later than the second to last semester in which they are expected to complete their original degree requirements.
3. Candidates must satisfy all requirements for each degree. To obtain the MSHA degree, the student will have to fulfill all the MSHA program requirements. To obtain the MBA degree, the student will have to fulfill all the MBA program requirements. The two degrees will have four common, or overlapping, courses. All courses transferred between degrees must be completed with a grade point average of 3.0 or higher. Directors of the MBA and MSHA degree programs may adjust these exact course requirements as a result of future changes to the MBA or MSHA curriculums.

#### 3.1. To obtain the MSHA degree, MBA in Healthcare Management students must complete a total of 24 credits as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM 6682</td>
<td>Concepts in Healthcare Informatics</td>
<td>3</td>
</tr>
<tr>
<td>ISM 6205</td>
<td>Database Management</td>
<td>3</td>
</tr>
<tr>
<td>ISM 6326</td>
<td>Information Security and Compliance</td>
<td>3</td>
</tr>
<tr>
<td>ISM 6136</td>
<td>Business Analytics Applications</td>
<td>3</td>
</tr>
<tr>
<td>HIM 6685</td>
<td>Electronic Health Record and Clinical Support Systems</td>
<td>3</td>
</tr>
<tr>
<td>ISM 6305</td>
<td>Information Systems Planning</td>
<td>3</td>
</tr>
</tbody>
</table>
From the MBA in Healthcare Management program the following 12 credit hours will be transferred:

- BUL 6810 Legal Environment of Business 3
- MAN 6830 Organizational Information Systems 3
- MAN 6245 Organizational Behavior 3
- MAN 6097 Managerial Decision-Making in Health Economics 3

3.2. To obtain the MBA in Healthcare Management, MSHIA degree students must complete a total of 30 credits as follows:

- MAN 6501 Operations Management 3
- MAN 6098 Management of Healthcare Finance and Reimbursement 3
- MAR 6805 Marketing Management in the Global Environment 3
- MAN 6095 Management of Healthcare Organizations in the 21st Century 3
- ACG 6026 Accounting for Managers 3
- BUL 6605 Healthcare Fraud and Abuse Law and Regulation 3
- MAN 6726 Strategic Management 3
- FIN 6406 Corporate Finance 3
- MAN 6974 Master’s Project in Management 3
- ACG 6175 Financial Reporting and Analysis 3

From the MSHIA program the following 12 credit hours will be transferred:

- HIM 5065 Introduction to Health and Health Informatics 3
- MAN 6245 Organizational Behavior 3
- HIM 6019 Legal and Ethical Aspects of Healthcare 3
- QMB 6357 Business Analysis for Decision Making 3

4. Joint degree candidates will not receive either degree until all requirements for both programs have been satisfied. Students deciding against completing a second degree must satisfy all first degree program requirements as if the student had never been a joint degree candidate. With the joint degree program students will take a total of 66 credit hours to get both degrees. Without the joint degree program students will need to take 78 credit hours to get both degrees. Thus, MBA in Healthcare Management students who have taken twelve credits of MSHIA common courses may obtain an MSHIA degree with an additional 24 credits. MSHIA students who have taken twelve credits of a MBA in Healthcare Management common courses may obtain an MBA degree with only 30 credits.

For additional information, contact the MBA office at (305) 348-3256 or the MSHIA Office at (305) 348-6852.

**Combined MPH/Graduate Certificate in Healthcare Management**

The Department of Health Policy and Management in the Robert Stempel College of Public Health and Social Work and the Health Management Programs in the Chapman Graduate School of Business offer a combined Masters of Public Health (MPH) degree and a Graduate Certificate in Healthcare Management. An MPH with a specialization in Health Policy and Management provides students with grounding in public health, health policy analysis, health economics, public health leadership, and an introduction to qualitative and quantitative research methods. The Graduate Certificate in Healthcare Management is designed to provide breadth of knowledge in the healthcare management field. The objective of the graduate certificate is to provide individuals with the basic understanding of management, operational, and reimbursement issues challenging today’s health care organizations.

Students are admitted to the MPH program once a year in the fall semester as a cohort. Classes begin in the fall semester in the College of Public Health and Social Work, concentrating on training in the core areas of public health. Students begin work in the graduate certificate during the second year, while taking public health courses. Requirements for the MPH are completed at the end of the second year. Nine credit hours (three courses) in the Certificate Program can be applied towards the student’s MPH degree. Three credit hours (one course*) in the MPH program can be applied towards the student’s Certificate program. The remaining three credit hours (one course) in the Certificate Program must be completed prior to completing the MPH degree. Courses in the College of Public Health and Social Work are offered on a traditional semester schedule. Courses in the Graduate Certificate in Healthcare Management are offered using an 8-week hybrid schedule. This certificate program is open to degree-seeking students only.

**Required Credits**

Students will complete 45 degree credits required for the MPH, 9 credits of which will be credits from the certificate program. These nine credits are substitutes for electives in the MPH program. To obtain the certificate, students must complete an additional 6 credits, for a total of 15 credits, in the certificate program.

**Required Courses**

Students interested in pursuing the MPH/Certificate will apply to the MPH program in the College of Public Health and Social Work and the Certificate program in the College of Business. Before applying, students will be encouraged to speak with an advisor in the Department of Health Policy and Management and the advisor for the Graduate Certificate in Healthcare Management in the Chapman Graduate School of Business. Application for the Certificate program is completed after acceptance into the MPH program.

To be considered for admission to the College of Public Health, students must have, at minimum, a GPA of 3.0, GRE scores in the top 20th percentile, and strong letters of recommendation from three faculty familiar with previous academic performance.

Students will be admitted to and enroll in the MPH program. Students will be required to complete all the requirements of the MPH degree program. The 15 hour core elements of the MPH degree will be completed. Students will enroll in the certificate program in the second year.

**Required courses included in the plan are:**

- PHC 6000 Epidemiology I: Introduction to Public Health Epidemiology 3
- PHC 6065 Public Health Statistics 3
MIS Concentration in the Ph.D. Program

The Department of Information Systems and Business Analytics (ISBA) offers a Management Information Systems (MIS) concentration in the doctoral program in Business Administration. The concentration requires completion of the following six courses (18 credit-hours):

- **GEB 7911** Qualitative Research Methods in Business 3
- **ISM 7126** Design Science Research 3
- **ISM 7306** Individual and Group Applications of IS Research 3
- **ISM 7345** Organizational and Strategic Applications of IS Research 3
- **ISM 7406** Decision Support Systems 3
- **ISM 7931** Organizational Theories in IS Research 3
- **ISM 7935** Research in Information Systems 3
- **ISM 7936** Systems and Software Engineering Research 3

Please contact the Ph.D. Program Director at (305) 779-7981 for further requirements and details.

Graduate Certificate in Health Informatics

The objective of this graduate certificate is to provide individuals with a basic understanding of health information technology and management of the complex inherent within the healthcare sector.

Admission Requirements

Students must have an earned baccalaureate degree with a GPA of 2.75 or higher. This certificate is open to both degree-seeking students and those who are not currently enrolled at FIU.

Prerequisite:

- Computer skills including: Word, Excel and PowerPoint

Program of Study (15):

- **HIM6682** Concepts in Healthcare Informatics 3
- **HIM5065** Introduction to Health and Health Informatics 3
- **QMB 6357C** Business Analysis for Decision Making 3
- **ISM 6205** Database Management 3
- **ISM 6208** Data Warehousing 3
- **ISM 6136** Business Analytics Applications 3
- **ISM 6489** Electronic Commerce and Internet Business Applications 3