

WILLIAMS COLLEGE OF BUSINESS

# INFORMATION SYSTEMS

XAVIER UNIVERSITY: A JESUIT, CATHOLIC UNIVERSITY IN CINCINNATI, OHIO



INFORMATION SYSTEMS IS THE STUDY of computer principles and techniques and their application to a wide variety of organizational and managerial needs. Information systems (IS) professionals understand how computerized business methods, procedures and techniques can enable organizations to streamline operations and compete more successfully in the marketplace. In contrast, the study of computer science focuses on the machine itself and its use as a tool in various disciplines.

By studying information systems, you will:

- ▶ **Understand** how to effectively apply information technology to business in the global community of the 21st century.
- ▶ **Learn** to combine technology and business skills in ways that will add value to company operations.
- ▶ **Develop** your communication skills and analytic abilities, along with technical expertise, to make you more competitive in one of the world's largest and fastest-growing fields.

## THE PROGRAM

The Department of Management Information Systems offers the Bachelor of Science in Business Administration (BSBA) degree in Information Systems. Also offered is a minor in information technology.

In addition to traditional studies, majors in information systems:

- ▶ Take advantage of internships and paid co-ops during the academic year and in the summer at leading companies and organizations. Recent co-op employers have included the Cincinnati Reds, Monster.com, ABC/New York Siemens, the Cincinnati Bengals, Ernst & Young, and other small to medium businesses throughout the greater Cincinnati area.
- ▶ Join the Information Systems Student Club, which sponsors regular activities, including socials, visits to local places of employment, talks by professionals in the field, and career counseling.

- ▶ Participate in the department's service-learning program that puts students into small teams to design, develop and implement software solutions for non-profit organizations. While providing assistance to client organizations, students get valuable experience solving real-world business problems in a team-oriented environment.

- ▶ Get matched with an Executive Mentor, who works with the student for his or her four years at Xavier to provide professional guidance, networking support and career connections. Xavier is one of the first schools in the nation to offer this type of mentor program.

## OUTCOMES

For the graduating class of 2008, 95 percent of Williams College of Business (WCB) graduates and 100 percent of information systems graduates were either employed full-time or enrolled in a graduate program within 90 days of graduation. Average starting salary for 2008 information systems graduates: \$48,778.

Graduates in information systems find professional career opportunities in a wide variety of fields, providing technology solutions to benefit all types of organizations. IS professionals develop code for business transaction processing systems, client/server systems or end-user support systems; they also implement such systems in languages as COBOL, C++, Visual Basic or JAVA. IS graduates also design and administer databases and data warehouses, analyze and implement enterprise-wide solutions to information problems and manage telecommunications efforts. Some IS graduates implement and manage corporate-wide Intranets.

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XAVIER  
UNIVERSITY

## KEY ACHIEVEMENTS

### WILLIAMS COLLEGE OF BUSINESS

Nationally recognized for providing outstanding business education to undergraduates and graduate students, the Williams College of Business (WCB) continues to earn top rankings and major distinctions, including the following in 2009-2010 for its undergraduate program.

- ▶ Ranked by *BusinessWeek*:
  - ▶ **69th** best undergraduate program in the nation
  - ▶ **4th** nationally for the undergraduate sustainability program
  - ▶ **7th** nationally for the corporate strategy undergraduate program
  - ▶ **8th** in the nation for the financial management undergraduate program
- ▶ Ranked by *Princeton Review*:
  - ▶ **One** of America's best business schools in the nation
  - ▶ **24th** most entrepreneurial campus in the nation

The WCB is accredited by the Association to Advance Collegiate Schools of Business (AACSB), an international organization. Only 450 out of 2,000 business schools worldwide have achieved this distinction.

In 2010, the WCB will be housed in a brand-new building on Xavier's campus. The facility will feature the latest learning resources, with such amenities as a stock ticker board, to provide real-world experience to fully prepare students for the business world in the United States and around the globe.

## OUTCOMES [cont.]

Recent graduates have been hired for such positions as:

- ▶ Business analyst, systems analyst, Fifth Third Bank
- ▶ Consultant, Deloitte & Touche
- ▶ Corporate operations associate, National City
- ▶ Network systems database administrator, CTI Clinical Trial and Consulting Services
- ▶ Programmer, Western Southern
- ▶ Solution delivery consultant, Cerner
- ▶ Systems analyst, The Kroger Company, Procter & Gamble, IRS/U.S. Treasury Department

Information systems majors also choose to pursue graduate study at prestigious institutions nationwide.

## REQUIREMENTS

▶ **Core Curriculum:** 64 credit hours [For further details, see page 4.]

▶ **Business Core:** 42 hours. At least half of the 42 total credit hours must be taken at Xavier. Business Core courses include:

ACCT 200	Introductory Financial Accounting
ACCT 201	Introductory Managerial Accounting
BLAW 300	Legal Environment
ECON 200	Microeconomic Principles
ECON 201	Macroeconomic Principles
ECON 300	International Trade & Business Environment
FINC 300	Business Finance
INFO 120	Introduction to Business Technology
INFO 200	Managing Information Technology
MGMT 300	Managerial Behavior
MGMT 301	Managerial Communication
MGMT 302	Quality and Productivity in Operations
MKTG 300	Principles of Marketing
SHRM 200	Human Resources in a Diverse Society
STAT 211	Statistics for Business II

▶ **Major in information systems:** 21 total credit hours, including 15 hours of information systems courses, three hours of INFO 362 or INFO 368, three hours of major electives, and an internship.

## RECOMMENDED CLASS SCHEDULES

### BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION [BSBA] IN INFORMATION SYSTEMS

These schedules serve as a guideline for progress toward a degree. Students should consult with their academic advisor.

<i>First Semester</i>	<i>Credit Hours</i>	<i>Second Semester</i>	<i>Credit Hours</i>
<b>Freshman Year</b>			
MATH 150 Calculus	3	THEO 111 Theological Foundations	3
History I elective	3	History II elective	3
ENGL 101 <b>OR</b> 115, Eng Comp <b>OR</b> Rhetoric	3	ECON 200 Microeconomic Principles	3
Foreign Language elective	3	Foreign Language elective	3
INFO 200 Managing Info Technology	3	MKTG 300 Principles of Marketing	3
BUAD 101 Business Profession I	0	BUAD 102 Business Profession I	0
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
<b>Sophomore Year</b>			
ECON 201 Macroeconomic Principles	3	INFO 358 Data Management	3
ACCT 200 Financial Accounting	3	ACCT 201 Managerial Accounting	3
STAT 210 Statistics for Business I	3	PHIL 100 Ethics as Intro to Phil	3
SHRM 200, HR in a Diverse Society <sup>1</sup>	3	MGMT 301 Managerial Comm	2
Literature elective	3	STAT 211 Statistics for Business II	3
INFO 360 Intro to Programming	3	Science elective I	3
BUAD 201 Business Profession II	0	BUAD 202 Business Profession II	0
<b>Total</b>	<b>18</b>	<b>Total</b>	<b>17</b>
<b>Junior Year</b>			
INFO 362 Prgm for Mod Bus App <b>OR</b> INFO 368 Enterprise Systems	3	INFO 357 Data Networking	3
FINC 300 Business Finance	3	Science elective II	3
ECON 300 Int'l Trade & Bus Environ	3	MGMT 300 Managerial Behavior	3
PHIL 290 Theory of Knowledge	3	Theo Scrip/History Christ Sys elective	3
Business elective <b>OR</b> Co-op	3	MGMT 302 Qual & Prod in Operations	3
BUAD 301 Business Profession III	0	BUAD 302 Business Profession III	0
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
<b>Senior Year</b>			
Theology Ethics <b>OR</b> Rel/Cult elective	3	Philosophy elective	3
ENGL/CLAS/SPAN 205, Lit & Moral Imag	3	INFO 495 System Develop Project	3
INFO 450 Sys Analysis & Design <sup>3</sup>	3	BLAW 300 Legal Environment	3
Fine Arts elective	3	E/RS Focus elective <sup>2</sup>	3
Science elective III	3	INFO elective	3
BUAD 401 Business Profession IV	0	BUAD 402 Business Profession IV	0
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

**Scheduling notes:** <sup>1</sup> SHRM 200 fulfills the Core's cultural diversity elective.

<sup>2</sup> E/RS Focus elective requirement may be used to satisfy another element of the Core or the major requirements.

<sup>3</sup> INFO 450 and INFO 495 must be taken in consecutive semesters during the senior year.

► Consult the undergraduate Core Curriculum requirements.

► The BSBA degree program typically requires 123 total credit hours, with 120 hours as the absolute minimum, and an overall 2.000 GPA.

## FACULTY

Faculty in the Department of Information Systems has earned doctorate degrees from distinguished institutions around the nation. Those faculty members who have worked in the business community or who continue to serve as consultants to the Cincinnati business community are able to bring their firsthand knowledge and experience into the classroom. Professors are committed, first and foremost, to teaching. The faculty is readily available to work with students outside the classroom. Classes are typically small, and students and faculty get to know each other on an individual basis.

**Mark Sena**, Department Chair and Associate Professor, PhD (University of Kentucky)

**Thilini Ariyachandra**, Assistant Professor, PhD (University of Georgia)

**Gerald Braun**, Associate Professor, PhD (University of Cincinnati)

**Elaine Crable**, Professor, PhD (University of Georgia)

**Mark Frolick**, Professor/Endowed Chair, PhD (University of Georgia)

**Adekunle Okunoye**, Associate Professor, PhD (University of Turku, Finland)

**Gregory Smith**, Assistant Professor, PhD (Virginia Polytechnic Institute)

**Deborah Tesch**, Associate Professor, DBA (Louisiana Tech)

## CORE CURRICULUM

The foundation of Xavier's success is its commitment to its Jesuit heritage. The Core Curriculum endeavors to realize and embody Xavier's mission and philosophy of education and serves as a valuable foundation for all undergraduate students. Within the Core, the four-course Ethics/Religion and Society (E/RS) Focus fosters students' understanding of socially significant issues from the perspectives of the humanities, especially literature, philosophy and theology, as well as from the perspectives of the social and natural sciences.

Along with courses in their major, Xavier students also take courses in: cultural diversity, English composition, fine arts, foreign language, history, literature, mathematics, philosophy, science, social science and theology.

## XAVIER AT A GLANCE

Founded in 1831, Xavier is a Jesuit Catholic university in Cincinnati, Ohio. Its three colleges offer 81 undergraduate majors, 45 minors and 13 graduate programs to 6,966 total students, including 4,228 undergraduate students.

### ACCLAIM

- ▶ Recognized as one of the top 10 universities in the Midwest for the 15th consecutive year by *U.S. News & World Report*, including #1 rankings for freshman retention and graduation rates.
- ▶ Named for the sixth year among "The Best 371 Colleges" in America by *The Princeton Review*.
- ▶ Ranked #41 among the "Top 50 Best Values" in private universities nationwide by *Kiplinger's Personal Finance*.
- ▶ Tapped for the 2008 President's Higher Education Community Service Honor Roll for innovative service-learning and volunteerism.
- ▶ Recognized by *BusinessWeek* as one of "The Best Undergrad Business Schools" in the nation.

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## FOR MORE INFORMATION

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