

What is Information Systems Management?

Information systems management (ISM) is the combination of two branches of study: information systems and business management. Because information technology is critical for the success of modern business, it is increasingly important for business leaders to understand the strategic importance of information to their organizations and to make good decisions about the management of information.

ISM professionals are the intermediaries linking business specialists, who understand business but perhaps know little about technology, with technology specialists, who develop and maintain computer systems.

Information Systems Management is a dynamic and diverse management career involving interaction with business managers, clients, end users and technicians in order to develop information solutions to business problems. An ISM professional is responsible for understanding the latest developments in technology and overseeing the efficient implementation of technology resources.

Why study Information Systems Management at the Palumbo - Donahue School of Business?

Studying ISM at the Palumbo-Donahue School involves a blend of courses and experiences intended to address the management of information systems in twenty-first century organizations.

In addition to courses in information technology and Information Systems management, students have access to the state-of-the-art Centers in Rockwell Hall, which offer the latest computer-based applications used in modern business. Students can also participate in the Association for Information Systems (AIS). Through this organization, students can meet with ISM professionals, participate in career networking events, compete in international competitions, and connect to internship and job opportunities.

Career Prospects

As a graduate in information systems management you have a wide variety of career choices – from technical to managerial. Our elective courses provide an opportunity for students to gain additional expertise in the area of information system audit and control (ISYS 485 and 486). A recent edition of *Jobs Rated Almanac* listed an ISM career (systems analyst) as one of the five best jobs in America, based on factors such as salaries, job demand and autonomy.

Overall, the job and salary outlook for ISM is exceptional.

Demand:

- Seven out of 10 of the fastest growing occupations requiring a bachelor's degree are in the information systems field.
- The need for ISM professionals is increasing as organizations continue to adopt and integrate increasingly sophisticated technologies.
- Data and information are considered an organization's most valuable asset, and the degree prepares students to work in this area.

Salary:

- ISM graduates consistently rate near the top in starting salaries of college graduates.

Recent ISM graduates have found positions in a variety of major corporations, including Ariba, BNY Mellon, Deloitte, EY, Federated, FedEx, Giant Eagle, Grant Thornton, KPMG, Management Science Associates, PNC, PPG, UPMC and U.S. Steel.

Information Systems Management as a Value-Added Second Major

Knowing how to use technology to solve business problems in your field is a competitive advantage in the job market, a fact that makes ISM an invaluable second major or a minor for any business student. In particular, accounting, supply chain management, finance and marketing are fields that need information technology to support their activities.

(continued on reverse)

Courses

Course	Prerequisites	Semesters Offered
BUSINESS CORE COURSES (48 Credits)		
REQUIRED COURSES (18 Credits)		
ISYS 381W Systems Analysis and Design (Modeling)	ISYS 184	Fall, Spring
ISYS 382 Data and Information Management (Modeling)	ISYS 284	Fall, Spring
ISYS 384 IS Project Management (Managerial)	ISYS 184	Fall, Spring
ISYS 386 System Development Fund (Technical)	ISYS 284	Fall, Spring
ISYS 484 Business Intelligence (Technical)	ISYS 382	Fall
ISYS 489W Information Systems Capstone	ISYS 381W, 382 and 386	Spring
ELECTIVES (6 Credits)		
ISYS 483 Enterprise Systems	ISYS 382	Intermittently
ISYS 486 IT Security and Risk Management	ISYS 386	Spring
ACCT 310 Accounting Info Systems	ACCT 215	Fall, Spring
SCMG 385 SCM Info Systems & Techniques	SCMG 267 with a grade of C or better	Fall, Spring
BUAD 401 Business Administration Internship	60 credits & two major courses completed	Fall, Spring, Summer

Recommended Sequence

	Fall Semester	Spring Semester
Junior Year	381W Systems Analysis and Design 382 Data and Information Mgmt.	386 Systems Development Fundamentals 384 IS Project Management
Senior Year	484 Business Intelligence Elective	489W Information Systems Capstone Elective

Special Note: The electives can be dropped from this major when paired with a second major or a minor. Only one internship may be counted as an Information Systems Management major elective.

Graduation Requirements

Students must earn a minimum overall GPA of a 2.0.

A Minor in Information Systems Management (18 credit hours)

Students can earn a minor in Information Systems Management by completing ISYS 184 (from the Business Core) plus ISYS 381W, 382 and 384, and one additional ISYS course.

It is the responsibility of the student to know both University-wide graduation requirements and those of the major field of study and to meet all requirements satisfactorily for graduation.

This information is subject to change and this publication cannot be considered an agreement or contract between the individual and the School. The Palumbo-Donahue School of Business reserves the right to alter or amend the terms, conditions and requirements and to eliminate courses as necessary. Students should consult on a regular basis with their advisor for specific information related to their major and/or minor requirements. *Rev.3/19*