INFORMATION SYSTEMS

Rapid technological advances have radically reshaped business and the economy. Digital technology, combined with globalization, has spawned new markets, new ways of organizing business processes, new work environments, disruptive business models, and new strategic and competitive opportunities for today’s business leaders. Electronic commerce, social networking, mobile computing, digital goods and services, cloud computing, and big data are a few of the many digital tech trends that are transforming business and shaping a new economy.

Fordham’s information systems (IS) curriculum teaches students how to become business leaders who can harness the power of technology and business analytics to create business value and gain competitive advantage. Students gain a deep understanding of both business and technology and emerge with a skill set that is highly sought after by employers.

The IS faculty recently redesigned the curriculum to position students effectively for the careers and roles that are most called for in today’s business world. Students can select courses from three cutting-edge, career-oriented tracks, as follows:

**Business Analytics Track**

Students prepare for careers in business analytics, a fast-growing area in firms of all types and sizes. Students will be able to collect, clean, structure, integrate, and analyze data to drive management insight, informed decision-making, and superior business performance. The business analytics program provides familiarity with concepts, frameworks, software tools and techniques, and trends.

**Digital Business Innovation Track**

This track readies students to drive business transformation through digital technologies. Students will acquire an in-depth understanding of digital business trends such as e-commerce, mobile commerce, cloud computing, social technologies, and tech startups. Students will be able to understand and exploit disruptive digital innovation.

**Enterprise Architecture Track**

Prepares students to design and build business systems, as well as to implement, manage, and leverage enterprise systems within organizations. Students will be able to design and manage sophisticated systems that solve business problems and provide the foundations for redesigned business processes, enterprise-wide integration and information sharing, novel services, and innovative business models. This track includes also a number of industry-specific courses that provide a sophisticated understanding of IT applications within a specific industry, such as health care IT.

Overall, students will:

- Learn to recognize new business opportunities created by digital technologies
- Learn to address the strategic, tactical, and operational issues associated with using information systems successfully in business
- Acquire hands-on tech skills that will enable them to solve business problems and gain an edge in the job market

Gabelli School students may integrate IS into their academic program in several ways:

- As a major
- As a primary or secondary concentration added to a major in business administration
- As a secondary concentration added on top of any major

**How courses are counted**

Students must note the following policy for how courses are counted. A student may count a maximum of one class in fulfilling more than one purpose—that is, toward any combination of major, minor, and primary or secondary concentration. For example, only one economics class could count toward both a finance major and an economics minor; any additional economics class would count toward the finance major OR the economics minor, but not both. Similarly, one management class could count toward both a primary concentration in management and a minor in sustainable business, but any subsequent management class would not count toward both. Any exceptions to these rules will be posted within the specific area major, minor, or concentration requirements.

**For more information**

View the information systems area web page.

Updated: 09-11-2020