Also take at least one of the following electives for the IS concentration:

- 6645 Data Visualization
- 6641 Cybersecurity Strategy and Management
- 6640/6635/6625 Geographic Information System
- 6621/6620/6618 Technology and Culture
- 6635/3345/3253/3205/2267 Technology and Culture
- 2255/2160 Special Topics: Swift/iOS App Development

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STUDENT RESOURCES

Information Systems Academy: isacademybc@gmail.com | @bcisacademy

Shea Venture Competition: www.bc.edu/venture

CAREERS IN INFORMATION SYSTEMS

Careers available to IS concentrators dominate the U.S. Bureau of Labor Statistics list of fastest growing occupations. IS professionals encompass a broad array of careers, from the highly technical to those which bridge the gap between the people who develop information systems and the people who use them.

IS concentrators may pursue a variety of careers in business, consulting, and government. Technology careers often give professionals a broad and deep exposure to the firm and its customers, providing exceptional training for future executive leadership. The greatest demand in the IS field will be for professionals who have technical knowledge supported by a solid understanding of the role of information systems in business and organizations.

STUDY ABROAD

IS students are encouraged to study abroad for a semester of junior year. All students wishing to study abroad must first meet with an advisor from the Office of International Programs. If accepted into the study abroad program and approved by Richard Keeley, Senior Associate Dean of the Undergraduate Program, the student should then see Rob Fichman, Department Chair, for course approvals before going abroad. When students wish to have a course considered they should email or bring a copy of the syllabus and course description for approval.

All approvals must be obtained prior to going abroad. No approvals will be granted after the course has been completed.
Information systems (IS) is the lifeblood of the modern enterprise, making up the single largest portion of capital spending among US corporations. IS has the power to create and restructure industries, empower individuals and firms, and dramatically reduce costs. Many of the world’s most successful corporations arrived at their position in part due to their effective use of such systems. Organizations desperately need well-trained IS specialists and technology-savvy managers. Today’s manager simply cannot perform effectively without a solid understanding of the role of information systems in organizations, competition, and society.

The IS concentration focuses on both technology and its effective use in organizations. The objective of the concentration is to develop managers who:

- Understand how to analyze the linkages between IT, innovation, business strategy, and competitive advantage
- Possess the technical skills (related to programming and databases) and managerial concepts needed to effectively plan, develop, and implement IT
- Understand how to promote more effective use of IT in organizations, taking into account how IT aligns with an organization’s strategic focus, culture, business processes, etc.
- Appreciate the broader ethical and societal implications of the burgeoning application of information technologies.

The IS concentration is designed for students with an aptitude for logical, analytical thinking and prepares them for entry-level positions in a variety of fast-growing professions. The IS concentration is a strong choice as a primary concentration for Carroll School students. Given the increasing influence of IS in all functional areas, it also serves as an excellent second concentration for students whose primary concentration is in another field such as accounting, business analytics, computer science, finance, marketing, or operations.