

# INFORMATION SYSTEMS (BUSINESS) - ISB

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## ISB 101 Management Technology 3 Credits

Introduction to information systems, hardware and software; information systems concepts in business; telecommunications; Ecommerce; enterprise systems; ethics, crime and security. Hands-on development of business applications.

**Offered:** every fall & spring.

## ISB 305 Strategic Modeling & System Dynamics 3 Credits

Strategic modeling uses computer simulations and other modeling techniques to understand business, environmental, and public policy problems. This course provides an introduction to systems thinking and system dynamics. "Systems thinking" is a way of viewing the world, understanding relationships and gaining insights into problems and opportunities. Viewing the world from a system perspective is an imperative for tomorrow's leaders since solving complex, social problems involves an interdisciplinary approach. Modeling will be used to cover topics such as supply chains, inventory management, business growth, environmental sustainability, strategic management and various public policy issues.

**Prerequisite:** ISB 101.

**Offered:** occasionally.

## ISB 340 Database Management Systems 3 Credits

Design and application of database management systems. Topics include structured query language (SQL), data structures, querying and report writing, database design and administration, data mining and security.

**Prerequisite:** ISB 101 or equivalent.

**Offered:** every fall.

## ISB 496 Internship 3 Credits

Work in a company or not-for-profit, faculty supervised, with specific requirements to be determined by faculty supervisor. Internships require an application and approval by the associate dean.

**Prerequisite:** student must complete a WSB Internship Application and obtain permission of a faculty supervisor, department chair, & the associate dean.

**Offered:** occasionally.

## ISB 499 Independent Study 3 Credits

Study and work with a faculty supervisor. Project to be determined by faculty agreement. Independent studies require an application and approval by the associate dean.

**Prerequisite:** student must complete a WSB Independent Study Application and obtain permission of a faculty supervisor, department chair, & the associate dean.

**Offered:** occasionally.