

# INFORMATION SYSTEMS BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

## Program Overview

Information Systems (IS) is more than just computer programming; it is about meeting the needs of customers through the effective use of technology. Drake's IS program provides students with the technical skills that industry requires of its employees plus an understanding of how businesses work. This clearly differentiates the IS program from the purely technical orientation of a Computer Science major.

## Information Systems Major Requirements

| Code                                     | Title                                                               | Hours |
|------------------------------------------|---------------------------------------------------------------------|-------|
| <b>Business Core Courses</b>             |                                                                     |       |
| ACCT 041                                 | INTRODUCTION TO FINANCIAL ACCOUNTING                                | 3     |
| ACCT 042                                 | INTRODUCTION TO MANAGERIAL ACCOUNTING                               | 3     |
| BLAW 060                                 | BUSINESS LAW I                                                      | 3     |
| BUS 001                                  | WELCOME TO BUSINESS                                                 | 1     |
| BUS 002                                  | CAREER READINESS AND PROFESSIONALISM                                | 1     |
| BUS 003                                  | PERSONAL BRANDING EXCELLENCE                                        | 1     |
| BUS 004                                  | PURSUING YOUR NORTH STAR                                            | 1     |
| BUS 070                                  | GLOBALIZATION                                                       | 3     |
| BUS 195                                  | BUSINESS STRATEGY AND POLICY                                        | 3     |
| ECON 002                                 | PRINCIPLES OF MICROECONOMICS                                        | 3     |
| IS 044                                   | MICROSOFT OFFICE TOOLS FOR BUSINESS ANALYSIS                        | 2     |
| IS 075                                   | INFORMATION TECHNOLOGY AND BUSINESS                                 | 3     |
| FIN 101                                  | CORPORATE FINANCE                                                   | 3     |
| MATH 028                                 | BUSINESS CALCULUS (or higher)                                       | 3     |
| MGMT 110                                 | ORGANIZATIONAL BEHAVIOR                                             | 3     |
| MGMT 120                                 | MANAGEMENT OF OPERATIONS                                            | 3     |
| MKTG 101                                 | MARKETING PRINCIPLES                                                | 3     |
| Select one of the following:             |                                                                     | 3-3.5 |
| STAT 071                                 | STATISTICS I                                                        |       |
| ACTS 131 & 131L                          | INTRODUCTION TO PROBABILITY I and INTRODUCTION TO PROBABILITY I LAB |       |
| Select one of the following:             |                                                                     | 3     |
| STAT 072                                 | STATISTICS II                                                       |       |
| ACTS 135                                 | MATHEMATICAL STATISTICS                                             |       |
| <b>Information Systems Major Courses</b> |                                                                     |       |
| IS 107                                   | PROGRAMMING AND APPLICATION DEVELOPMENT                             | 3     |
| IS 160                                   | DATABASE MANAGEMENT                                                 | 3     |
| IS 161                                   | INFORMATION SYSTEMS ANALYSIS AND DESIGN                             | 3     |
| Select three courses from the following: |                                                                     | 9     |
| IS 083                                   | INFORMATION TECHNOLOGY LAW AND ETHICS                               |       |
| IS 114                                   | ADVANCED INFORMATION TECHNOLOGY APPLICATIONS FOR BUSINESS           |       |
| IS 145                                   | WEB SITE TECHNOLOGY                                                 |       |
| IS 150                                   | NETWORK MANAGEMENT                                                  |       |

|                                                                      |                                                           |                |
|----------------------------------------------------------------------|-----------------------------------------------------------|----------------|
| IS 164                                                               | PROJECT MANAGEMENT                                        |                |
| IS 172                                                               | EXPLORING THE SILICON PRAIRIE                             |                |
| IS 198                                                               | CURRENT INFORMATION SYSTEM ISSUES                         |                |
| BUS 191                                                              | INTERNSHIP IN BUSINESS                                    |                |
| Select three courses from the following:                             |                                                           | 9              |
| Any ACCT course numbered 100 or higher                               |                                                           |                |
| Any ACTS course numbered 100 or higher                               |                                                           |                |
| Any BLAW course numbered 100 or higher                               |                                                           |                |
| Any FIN course numbered 100 or higher                                |                                                           |                |
| Any MGMT course numbered 100 or higher, except MGMT 110 and MGMT 120 |                                                           |                |
| Any MKTG course numbered 100 or higher, except MKTG 101              |                                                           |                |
| STAT 040 or any STAT course numbered 100 or higher                   |                                                           |                |
| ART 114                                                              | INTERACTIVE DESIGN                                        |                |
| JMC 105                                                              | WEB CONTENT AND DEVELOPMENT                               |                |
| Select one of the following:                                         |                                                           |                |
| INS 051                                                              | PERSONAL RISK MANAGEMENT                                  |                |
| INS 141                                                              | BUSINESS RISK MANAGEMENT                                  |                |
| INS 161                                                              | INSURANCE COMPANY OPERATIONS                              |                |
| Select one of the following:                                         |                                                           |                |
| AI 010                                                               | INTERDISCIPLINARY PERSPECTIVES ON ARTIFICIAL INTELLIGENCE |                |
| AI 036                                                               | THE NATURES OF LEARNING AND INTELLIGENCE                  |                |
| AI 042                                                               |                                                           |                |
| AI 190                                                               | ARTIFICIAL INTELLIGENCE PRACTICUM                         |                |
| Select one of the following:                                         |                                                           |                |
| CS 065                                                               | INTRODUCTION TO COMPUTER SCIENCE I                        |                |
| CS 066                                                               | INTRODUCTION TO COMPUTER SCIENCE II                       |                |
| CS 083                                                               | DIGITAL ETHICS                                            |                |
| any CS course numbered 100 or higher                                 |                                                           |                |
| <b>Total Hours</b>                                                   |                                                           | <b>75-75.5</b> |

All candidates also must satisfy the requirements of the Drake Curriculum (<http://www.drake.edu/dc/>).

In addition to programmatic requirements, students are responsible for satisfying all requirements of the Drake Curriculum (<https://catalog.drake.edu/archive/2024-2025/undergraduate/academic-information/drake-curriculum/>), including Areas of Inquiry (AOI)

Student must also satisfy university graduation requirements (<https://catalog.drake.edu/archive/2024-2025/undergraduate/academic-information/graduation-requirements/>) for all undergraduate students..