

# BS in Information and Decision Sciences

## Program Codes:

20FL1347BS

## Degree Requirements

To earn a Bachelor of Science in Information and Decision Sciences degree from UIC, students need to complete university, college, and department degree requirements. The Department of Information and Decision Sciences degree requirements are outlined below. Students should consult the [College of Business Administration](#) section for additional degree requirements and college academic policies.

Code	Title	Hours
<b>Summary of Requirements</b>		
	General and Basic Course Requirements	48
	Business Core	42
	Major Requirements	18
	Business Electives	12
<b>Total Hours</b>		<b>120</b>

## General and Basic Course Requirements

See [General and Basic Course Requirements](#) in the College of Business Administration section for the list of courses needed to meet this requirement.

## Business Core

See [Business Course Requirements](#) in the College of Business Administration section for the list of courses needed to meet this requirement.

## Major Requirements

Code	Title	Hours
<b>Required Courses</b>		
IDS 201 or IDS 331	Introduction to Business Programming Business Analysis Using Spreadsheets	3
IDS 410	Business Database Technology	3
	12 additional hours of 300- or 400-level courses from the IDS department. IDS 201 may also be applied toward the degree's major electives. Students may choose to focus their 12 elective hours within a concentration. Students may also choose to complete the degree without a concentration. In this case, students may fulfill their 12-hour elective requirement by choosing any combination of IDS electives from within the Department of Information and Decision Sciences. See lists below for concentration path suggestions.	12
<b>Total Hours</b>		<b>18</b>

## Business Electives

Code	Title	Hours
<b>Courses</b>		
	12 hours at the 200, 300, or 400 level chosen from courses in the College of Business Administration (excluding BA 220 and BA 320) or courses offered in the Economics department with a maximum of 6 hours at the 200 level. Students may use their business electives to complete a second concentration within their major, if applicable, or a minor with the college. Students should work with their advisor in choosing appropriate business electives.	12
<b>Total Hours</b>		<b>12</b>

## Concentrations

Students may choose to focus their IDS and CBA elective courses within one or more of the following concentrations. The same course cannot be counted towards more than one concentration. Students may also choose to complete the major in IDS without any concentration. For this, students may choose any combination of IDS electives to fulfill the requirements for the major.

## Concentration in Business Analytics

Code	Title	Hours
<b>Required Courses</b>		
IDS 472	Business Data Mining	3
IDS 400	Programming for Data Science in Business	3
Select two of the following:		6
IDS 201	Introduction to Business Programming	
IDS 422	Text Mining for Business Applications	
IDS 435	Optimization for Analytics	
IDS 460	Causal Inference	
IDS 462	Statistical Software for Business Applications	
IDS 470	Multivariate Analysis	
IDS 476	Business Forecasting Using Time Series Methods	

## Recommended Business Electives

It is recommended that students take additional business analytics electives as part of their 12 hours of business elective courses. Other recommended business electives are listed below. A course can be used to satisfy only one area of required or elective courses.

IDS 312	Business Project Management
IDS 313	Internet Applications in Business
IDS 331	Business Analysis Using Spreadsheets
IDS 406	IDS Consulting Practicum
IDS 420	Business Model Simulation
IDS 454	Introduction to Supply Chain Management
IDS 473	Risk Management and Insurance
FIN 310	Investments
FIN 416	Options and Futures Markets
FIN 480	Securities Markets and High-Frequency Trading

MKTG 460	Marketing Analytics
MKTG 462	Marketing Research
MKTG 479	Digital and Social Media Marketing

## Concentration in Management Information Systems

Code	Title	Hours
<b>Required Courses</b>		
Prerequisite: IDS 201, as part of the IDS major requirement.		
IDS 401	Business Object Programming using Java	3
IDS 405	Business Systems Analysis and Design	3
Select any two of the following:		6
IDS 313	Internet Applications in Business	
IDS 400	Programming for Data Science in Business	
IDS 403	Information Security	
IDS 406	IDS Consulting Practicum	
IDS 413	Internet Technology and Management	
IDS 422	Text Mining for Business Applications	
IDS 472	Business Data Mining	
IDS 494	Topics in Information and Decision Sciences	

### Recommended Business Electives

It is recommended that students take additional management information systems electives as part of their 12 hours of business electives courses. Other recommended business electives are on the list below. A course can be used to satisfy only one area of required or elective courses.

IDS 312	Business Project Management
IDS 331	Business Analysis Using Spreadsheets
IDS 406	IDS Consulting Practicum
IDS 451	Enterprise Operations and Supply Chain Systems
IDS 454	Introduction to Supply Chain Management
IDS 462	Statistical Software for Business Applications

## Concentration in Supply Chain and Operations Management

Code	Title	Hours
<b>Required Courses</b>		
IDS 450	Supply Chain Planning and Logistics	3
IDS 454	Introduction to Supply Chain Management	3
Select two of the following:		6
IDS 420	Business Model Simulation	
IDS 435	Optimization for Analytics	
IDS 451	Enterprise Operations and Supply Chain Systems	
IDS 453	Supply Chain Management: Sourcing and Procurement	
IDS 472	Business Data Mining	

IDS 476	Business Forecasting Using Time Series Methods
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### Recommended Business Electives

It is recommended that students take additional supply chain and operations management electives as part of their 12 hours of business elective courses. Other recommended business electives are in the list below. A course can be used to satisfy only one area of required or elective course.

IDS 201	Introduction to Business Programming
IDS 312	Business Project Management
IDS 313	Internet Applications in Business
IDS 400	Programming for Data Science in Business
IDS 405	Business Systems Analysis and Design
IDS 406	IDS Consulting Practicum
IDS 462	Statistical Software for Business Applications
IDS 470	Multivariate Analysis
IDS 479	Enterprise Risk Management
ACTG 326	Cost Accounting
ACTG 355	Business Law I: Commercial Transactions
MGMT 481	Managerial Logistics
MKTG 463	Marketing and Sales Channels

## Sample Business Major Curriculum

See [Sample Business Major Curriculum](#) in the College of Business Administration section. See your academic advisor for an individualized major map in your field of study.