

Information Systems

Major

The Information Systems (IS) major educates students in organizational computing, using computer technology to help people in organizations of all kinds. This comprehensive major does not require a minor, but students may choose one if desired. The IS major prepares students to enter a career as a web developer, business systems designer, application software developer, computer network manager, information systems manager, etc. The major provides the background required for earning the Information Systems Analyst Certification offered by the Institute for the Certification of Computer Professionals.

The following is a sample schedule showing a typical four-year program that meets all university, college, and major requirements for a bachelor of business administration (BBA) degree in IS.



FRESHMAN YEAR

First Semester:				Credits	Second Semester:				Credits
ENGL	110	English Composition		5	CJ	202	Fundamentals of Speech		3
ECON	103	Principles of Microeconomics		3	ECON	104	Principles of Macroeconomics		3
		General Education III		3	MATH	109	Algebra for Calculus (if needed)		4
		General Education IV/FC		3			General Education II List A		4
		Physical Activity		<u>1</u>			Wellness		<u>1</u>
				15					15

SOPHOMORE YEAR

First Semester:				Credits	Second Semester:				Credits
ACCT	201	Principles of Accounting I		3	ACCT	202	Principles of Accounting II		3
MATH	111	A Short Course in Calculus		4	MATH	246	Introduction to Statistics		4
BCOM	206	Business Writing		2	BCOM	207	Business Presentations		2
IS	240	Information Systems in Business		3	IS	304	Fundamentals of Business Programming		3
		General Education IV/FC		<u>3</u>	IS	310	Systems Analysis & Design		<u>3</u>
				15					15

Summer: IS 320 Internship I (1-3 crs) recommended

JUNIOR YEAR

First Semester:				Credits	Second Semester:				Credits
IS	314 or 365	Business Software Engineering OR Security Policy Mgmt		3	MKTG	330	Principles of Marketing		3
BSAD	300	Diversity in the Workplace		1	FIN	320	Principles of Finance		3
BSAD	305	Legal & Regulatory Environment		2	IS	345	Networking with Client Operating Systems		3
MGMT	340	Organizational Behavior		3			General Education IV/FC		3
MGMT	341	Operations Management		3			General Education II List A or B		<u>3</u>
IS	344	Database Management		<u>3</u>					15
				15					

Summer: IS 420 Internship II (1-3 crs) recommended

SENIOR YEAR

First Semester:				Credits	Second Semester:				Credits
IS	375 or 411	Server-Oriented Networking and Security OR Object-Oriented Systems		3	IS	450 or 455	Distributed Systems Development OR Project Management		3
		IS Elective		3	IS	460	Seminar in Information Systems		3
		Additional GE/FC/CD, non-Bus/Econ		<u>9</u>			IS Elective		2
				15	MGMT	449	Strategic Management		3
							Additional GE/FC/CD, non-Bus/Econ		<u>4</u>
									15



Information Systems Major Requirements (2013–2014 Catalog)

A. UNIVERSITY

	Credits
English Composition (ENGL 110 or HNRS 101)	4-5
Mathematics/Statistics (met in D below)	0
Foreign Language/Foreign Culture (see catalog)	0-9
Cultural Diversity (CJ 202, BSAD 300, one more course)	0-6
Service Learning (met in IS 314, 344, 450, and/or 460)	0
Wellness Theory & Physical Activity	2

B. GENERAL EDUCATION

(See College of Business requirements in Catalog)

I. Communications (CJ 202, MATH 246)	7
II. Natural Sciences (one or two lab courses)	9-12
III. Social Sciences (ECON 103, 104, one more)	9-12
IV. Humanities (see catalog)	9-12
V. University Wide (see catalog)	0-6
TOTAL GE CREDITS REQUIRED	39

C. COLLEGE OF BUSINESS CORE

ACCT 201	Principles of Accounting I	3
ACCT 202	Principles of Accounting II	3
BCOM 206	Business Writing	2
BCOM 207	Business Presentations	2
BSAD 300	Diversity in Workplace	1
BSAD 305	Legal & Reg. Environment	2
FIN 320	Principles of Finance	3
IS 240	Information Sys in Business	3
MGMT 340	Organizational Behavior	3
MGMT 341	Operations Management	3
MGMT 449	Strategic Management	3
MKTG 330	Principles of Marketing	3
TOTAL BUSCORE CREDITS REQUIRED		31

D. BUSINESS CORE OUTSIDE COLLEGE

ECON 103	Microeconomics	3
ECON 104	Macroeconomics	3
MATH 111	A Short Course in Calculus	4
MATH 246	Elementary Statistics	4
TOTAL BUSCORE OUTSIDE CREDITS REQUIRED		14

E. IS CORE

IS	304	Fundamentals of Bus Programming	3
IS	310	Systems Analysis & Design	3
IS	344	Database Management Systems	3
IS	345	Networking with Client Operating Systems	3
IS	411	Object-Oriented Systems	3
IS	460	Seminar in Information Systems	<u>3</u>
TOTAL IS CORE CREDITS REQUIRED.....			18

F. MAJOR EMPHASIS

I. Business Analysis Emphasis (major code 832-001)

IS 365	Security Policy Management	3
IS 455	Project Management	3
One course from Acct 430, Art 312, BCOM 405, CS 318, MGMT 443, PHIL 308		2-3
2-3 additional elective credits from CS 145, 163, 319, 320, IS 314, 320, 375, 420, 450, and other as approved by the IS department chair.		2-3

II. Systems Development Emphasis (major code 832-002)

IS 314	Bus Software Engineering	3
IS 450	Distributed Systems Development	3
One course from CS 145, 163, 319, 320; IS 375		3-4
1-2 additional elective credits from Acct 430, Art 312, BCOM 405, CS 318, IS 320, 420, 365, 375, 455, MGMT 443, PHIL 308, and other as approved by the IS department chair.		1-2
TOTAL IS EMPHASIS CREDITS REQUIRED		11

G. SUMMARY

GE & Non-Business Requirements	60
College of Business Core	31
Major Requirements	29
GRAND TOTAL CREDITS FOR DEGREE	120

Contact Information

Information Systems Department

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Note 1: COB admission requirements:

- 1) Complete Acct 201, Acct 202, Econ 103, Econ 104, IS 240 with an overall GPA of at least a 2.20
- 2) 2.60 or higher GPA in all undergraduate work completed prior to admission. (In addition, transfer students must have at least a 2.00 GPA on all UW-Eau Claire course work they have completed.)
- 3) Complete 54 credits; and
- 4) Complete the Student Professional Development Program workshops.

Note 2: Internships are limited to IS majors. Department consent required. No more than three internship credits can count toward this major.