

# INFORMATION SYSTEMS, BS

for the degree of Bachelor of Science Major in Information Systems

The Information Systems Major provides students with the necessary knowledge and skills to understand and manage information, information technology development, systems analysis, e-business management and electronic commerce. In addition to the Information Systems Major's requirements, Business Administration students must also fulfill the Urbana-Champaign campus's General Education requirements and the Gies College of Business's Core Courses requirements (for more detail, refer to the [Gies College of Business Undergraduate Section](#)).

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## Core Curriculum

Normally, students must register for no fewer than 12 hours or more than 18 hours in each semester. Students should take mathematics, economics, and accountancy courses in the semesters indicated in the sample schedule of courses. The computer science course must be taken during the first year. The computer science requirement no longer allows ACE 161 as an equivalent course. A required course that is failed must be repeated the next semester.

Up to 4 hours of Kinesiology activity courses, numbered 100-110 may be counted toward the 124 hours for the degree. The same section of a course may not be repeated for credit. Credit is limited to a maximum of 12 credit hours for 199 courses. Students may receive foreign language credit for courses only 2 levels below highest level taken in high school. For example: 4 years of high school French-no credit below FR 102.

Credit toward the 124 degree hours is not given for MATH 101. Once the math requirement is completed, lower level math courses cannot be taken for credit. For military and naval science courses, only credit at the 300 level and above may be counted toward the degree.

Any course used to fill a specific degree requirement may not be taken on the credit-no credit grade option. Only free electives may be taken on the credit-no credit option. All finance and accountancy courses must be taken for a grade. It is recommended that all courses taken in the business administration area be taken for a grade.

## University Composition Requirements

Code	Title	Hours
	Composition I: Principles of Composition <sup>1</sup>	4-7
	Advanced Composition	3

## General Education Requirements

Code	Title	Hours
	A minimum of six courses is required, as follows:	18
	Humanities & the Arts: Literature & the Arts (1-2 courses) <sup>4</sup>	
	Humanities & the Arts: Historical & Philosophical Perspectives (1-2 courses) <sup>4</sup>	
	Natural Sciences & Technology: Physical Sciences (0-2 courses) <sup>5</sup>	
	Natural Sciences & Technology: Life Sciences (0-2 courses) <sup>5</sup>	
	Behavioral Sciences (1 course)	
	Cultural Studies: Non-Western Cultures (1 course)	

Cultural Studies: U.S. Minorities Cultures (1 course)  
Cultural Studies: Western/Comparative Cultures (1 course)

## Non-Primary Language Requirement

Code	Title	Hours
	Completion of the fourth semester or equivalent of a non-primary language is required. Completion of four years of a single language in high school satisfies this requirement. A student may also meet this requirement by completing two non-primary languages to the third level.	0-12

## Business Core Requirements

Code	Title	Hours
BUS 101	Professional Responsibility and Business <sup>2</sup>	3
BUS 201	Business Dynamics	3
ACCY 201 & ACCY 202	Accounting and Accountancy I and Accounting and Accountancy II	6
BADM 300	The Legal Environment of Bus	3
BADM 310	Mgmt and Organizational Beh <sup>6</sup>	3
BADM 320	Principles of Marketing	3
BADM 449	Business Policy and Strategy	3
CS 105	Intro Computing: Non-Tech	3
ECON 102 & ECON 103	Microeconomic Principles and Macroeconomic Principles	6
BADM 210 & BADM 211	Business Analytics I and Business Analytics II	6
ECON 302	Inter Microeconomic Theory	3
FIN 221	Corporate Finance	3
MATH 234	Calculus for Business I <sup>3</sup>	4
CMN 101	Public Speaking	3
Total Hours		52

Code	Title	Hours
	Courses to yield this total	15-38

Code	Title	Hours
	Elective course work	0-32
<b>Minimum total hours for the degree</b>		<b>124</b>

<sup>1</sup> For a list of the specific courses that meet this requirement, see the college Office of Undergraduate Affairs in 1055 Business Instructional Facility or see the Course Explorer for a list of approved general education courses.

<sup>2</sup> BUS 101 and BUS 201 are required for all Gies College of Business students. Students who enter the College their first year take each sequential course every fall. Inter-College transfer students take BUS 101 and BUS 201 in their sophomore year. Off-campus transfer students take BUS 101 and BUS 201 in their junior year.

<sup>3</sup> MATH 220 or MATH 221 may be substituted for MATH 234. (See college mathematics requirement above.)

<sup>4</sup> Three courses in the Humanities & the Arts area are required and students must complete at least one course in the Literature & the Arts and Historical & Perspectives subcategories. At least one of the courses must be a 200 or higher level course.

<sup>5</sup> *Two courses in the Natural Sciences & Technology area are required. It is strongly recommended that students complete one course in the Physical Sciences and Life Sciences subcategories.*

<sup>6</sup> *This course includes limited voluntary participation as a subject in experiments.*

<b>Code</b>	<b>Title</b>	<b>Hours</b>
BADM 350	IT for Networked Organizations	3
BADM 352	Database Design and Management	3
BADM 353	Info Sys Analysis and Design (Prerequisite: BADM 350)	3
Select two of the following:		6
BADM 351	E-Business Management (Prerequisite: BADM 350)	
BADM 355	Enterprise Software Management	
BADM 453	Business Intelligence	
BADM 458	IT Governance (Prerequisite: BADM 350)	
Select four of the following:		12-14
BADM 311	Leading Individuals and Teams (Prerequisite: BADM 310)	
BADM 312	Designing and Managing Orgs (Prerequisite: BADM 310)	
BADM 322	Marketing Research (Prerequisite: BADM 320)	
BADM 324	Purchasing and Supply Mgmt (Prerequisite: Credit or concurrent enrollment in BADM 320)	
BADM 374	Management Decision Models (Prerequisite: BADM 211)	
BADM 375	Operations Management	
BADM 377	Project Management	
BADM 379	Business Process Improvement	
BADM 380	International Business	
BADM 445	Small Business Consulting	
BADM 446	Entrepreneurship: New Venture Creation	
Total Hours		27