Academic Map: Information Systems

Department:	Management Information Systems	**Degree:**	BS
Program/Major:	Information Systems		
Track/Emphasis:			
Does this program require a minor? (Yes/No)	Yes – Computer Science		

Important program information in the online *Undergraduate Bulletin*:

UCA Core Requirements:	http://uca.edu/ubulletin/general-policies-information/uca-core/
LD UCA Core Check Sheet:	http://uca.edu/academicbulletins/ld-uca-core/
UD UCA Core Course List:	http://uca.edu/academicbulletins/ud-uca-core/
Degree Requirements:	http://uca.edu/ubulletin/general-policies-information/degree-requirements/
Program Description:	http://uca.edu/ubulletin-dev/colleges-departments-programs/college-of-business/department-of-management-information-systems/
Course Descriptions:	http://uca.edu/ubulletin/courses/

This degree program requires a total of 120 semester credit hours, including at least 40 upper-division credit hours.

Comparable courses in the Arkansas Course Transfer System (ACTS) are cross-referenced in the ACTS column of each semester block below; a core link (http://uca.edu/academicbulletins/ld-uca-core/) takes the user to the *Undergraduate Bulletin*'s UCA Lower-Division Core check sheet, where UCA Core options and ACTS course numbers are listed in full; an acts link takes the user to the *Undergraduate Bulletin*'s ACTS page (http://uca.edu/academicbulletins/acts/) for additional information and a UCA-ACTS crosswalk.

Year 1

Fall – Semester 1 (Credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
WRTG	1310	Introduction to College Writing	3	ENGL1013
BIOL	1400	Exploring Concepts in Biology or Approved alternative (LD UCA Core: Life Science)[1]	4	BIOL1004 core link
MGMT	2301	Business Communication[2]	3	BUSI2013
HIST HIST PSCI	2301 2302 1330	The Making of America: US History To 1877 or America in the Modern Era: US History Since 1877 or US Government & Politics[3]	3	HIST2113 HIST2123 PLSC2003
CSCI	1340	Introduction to Programming	3	

Spring – Semester 2 (Credit hours: 14)

SUBJ	NUM	TITLE	SCH	ACTS
WRTG ENGL	1320 1320	Academic Writing and Research or Interdisciplinary Writing and Research or Other approved alternative (LD UCA Core: Research/Writing)[1]	3	ENGL1023 ENGL1023 core link
CSCI	1470	Computer Science I	4	
		LD UCA Core: Physical Science[1]	4	core link
ECON	2320	Principles of Macroeconomics[4]	3	ECON2103

Year 2

Fall – Semester 3 (Credit hours: 16/17)

SUBJ	NUM	TITLE	SCH	ACTS
MATH	1395 1491	Applied Mathematics for Business or Applied Calculus for Life Sciences[5]	3–4	MATH2405
ACCT	2310	Accounting I	3	ACCT2003
CSCI	1480	Computer Science II	4	
		LD UCA Core: Fine Arts/Humanities[1]	3	core link
ECON	2321	Principles of Microeconomics[4]	3	ECON2203

Spring – Semester 4 (Credit hours: 15)

SUBJ	NUM	TITLE	SCH	ACTS
CSCI	2320	Data Structures	3	
QMTH MATH	2330 2311	Business Statistics or Statistical Methods I	3	BUSI2103 MATH2103
ECON	2310	Global Environment of Business[6]	3	
		LD UCA Core: Diversity in Creative Works[1]	3	core link
ACCT	2321	Legal Environment of Business	3	BLAW2003

Year 3

Fall – Semester 5 (Credit hours: 15)

SUBJ	NUM	TITLE	SCH	ACTS
MIS	3321	Managing Systems and Technology	3	
MIS CSCI	3365 3360	Database Applications or Database Systems	3	
MIS CSCI	3363 3335	Telecommunications and Computer Networks I or Networking	3	
MGMT	3340	Managing People and Work (UD UCA Core: D, R)	3	
		General Elective	3	

Spring – Semester 6 (Credit hours: 15)

SUBJ	NUM	TITLE	SCH	ACTS
MKTG	3350	Principles of Marketing (UD UCA Core: D [pending final approval])	3	
CSCI		Advanced CS Elective (3000/4000 level)	3	
CSCI MIS	3381 4339	Object-Oriented Software Development with Java Programming in Java II	3	
CSCI MIS	4315 4360	Information Security Principles of Information Security	3	
		LD UCA Core: Responsible Living[1]	3	core link

Year 4

Fall – Semester 7 (Credit hours: 15)

SUBJ	NUM	TITLE	SCH	ACTS
FINA	3330	Managing Finance and Capital (UD UCA Core: I)	3	
MIS	4328	Systems Analysis and Design (UD UCA Core: C)	3	

SUBJ	NUM	TITLE	SCH	ACTS
CSCI MIS		Advanced Elective (or MATH 3311 or WRTH 3310)	3	
CSCI MIS	3375 3382	Internship in Computer Science Internship in Management Information Systems	3	
		General Elective	3	

Spring – Semester 8 (Credit hours: <u>13/14</u>)

SUBJ	NUM	TITLE	SCH	ACTS
CSCI MIS		Advanced Application Elective	3	
MIS	4355	Project Management (UD UCA Core: Z)	3	
CSCI		Advanced CS Elective	3	
CSCI	3190	Social Implications of Technology	1	
		General Elective(s)	3–4	

SIGNED – DEPARTMENT CHAIR   DATE

SIGNED – COLLEGE DEAN   DATE

To be completed by the advisor when an Eight-Semester Plan is accepted by the student:

If applicable, has student selected a minor? Type "x" as appropriate. **No** x **Yes**

If "yes," specify: Computer Science

Notes

[1] See appropriate choices, alternatives, or substitutions under "UCA Core" in the *Undergraduate Bulletin.* During the first year, a student must complete a Lower Division (LD) UCA Core course designated as a First-Year Seminar (FYS) in Critical Inquiry, Diversity, or Responsible Living. An approved LD UCA Core lab science and an approved LD UCA Core math course should be taken in the first two years if possible.

The student will also need to complete major, minor, or general elective courses designated as fulfilling the upper-division and capstone requirements of the upper-division (UD) UCA Core. See annotations in this Academic Map for courses within the major that will fulfill these requirements.

[2] Fulfills the Oral Communication requirement in the LD UCA Core.

[3] Fulfills the American History and Government requirement in the LD UCA Core.

[4] Fulfills the Inquiry and Analysis/Social Science requirement in the LD UCA Core.

[5] Either course fulfills the Critical Inquiry/Quantitative requirement in the LD UCA Core.

[6] Fulfills the Diversity in World Cultures requirement in the LD UCA Core.