

Academic Map: Information Systems

Department: Computer Information Systems and Analytics **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: <https://uca.edu/ubulletin/general-policies-information/uca-core/>
LD UCA Core Check Sheet: <https://uca.edu/academicbulletins/ld-uca-core/>
UD UCA Core Course List: <https://uca.edu/academicbulletins/ud-uca-core/>
Degree Requirements: <https://uca.edu/ubulletin/general-policies-information/degree-requirements/>
Program Description: <https://uca.edu/ubulletin/colleges-departments/cb/cisa/>
Course Descriptions: <https://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](https://uca.edu/academicbulletins/ld-uca-core/) (<https://uca.edu/academicbulletins/ld-uca-core/>) takes the user to the *Undergraduate Bulletin's* Lower-Division (LD) UCA Core check sheet, where UCA Core options and ACTS course numbers are listed in full; an [acts link](https://uca.edu/academicbulletins/acts/) takes the user to the *Undergraduate Bulletin's* ACTS page (<https://uca.edu/academicbulletins/acts/>) for additional information and a UCA-ACTS crosswalk.

Scholarship recipients: Please be aware of eligibility criteria for your scholarship(s). In particular, pay attention to (1) the enrollment requirements each semester for disbursement of your scholarship(s) and (2) the number of hours and GPA required each semester and/or year for renewal of your scholarship(s). Some Academic Maps may suggest enrollment in fewer hours than required for disbursement of your scholarship(s). In such cases, work with your academic advisor to adjust your schedule to meet requirements most efficiently. Contact the Office of Student Financial Aid at (501) 450-3140 with any questions regarding enrollment/renewal requirements of your scholarship(s). For online information resources, see endnote 1.

Year 1

Fall – Semester 1 (Credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
WRTG	1310	Introduction to College Writing (LD UCA Core) ²	3	ENGL1013
		LD UCA Core Choice (Lab Science) ²	4	core link
		LD UCA Core Choice First Year Seminar ²	3	core link
ECON	2310	Global Environment of Business (LD UCA Core) ²	3	
MATH	1390 1395	College Algebra (LD UCA Core) ² or Applied Mathematics for Business (or other LD UCA Core Math)	3	MATH1103 core link

Spring – Semester 2 (Credit hours: 16)

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) ²	3	ENGL1023 ENGL1023 core link
CSCI	1470	Computer Science I	4	
		General Elective	3	

SUBJ	NUM	TITLE	SCH	ACTS
MATH ECON	1395 2320	Applied Mathematics for Business (or other LD UCA Core Math) or Principles of Macroeconomics (LD UCA Core) ²	3	core link ECON2103
		LD UCA Core Choice ²	3	core link

Year 2**Fall – Semester 3 (Credit hours: 13)¹**

SUBJ	NUM	TITLE	SCH	ACTS
ACCT	2310	Accounting I	3	ACCT2003
CISA MGMT	2330 2301	Business Statistics or Business Communications (LD UCA Core) ²	3	BUSI2103 BUSI2013
CSCI	1480	Computer Science II	4	
ECON	2320 2321	Principles of Macroeconomics (LD UCA Core) ² or Principles of Microeconomics (LD UCA Core) ²	3	ECON2103 ECON2203

Spring – Semester 4 (Credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
CSCI	2320	Data Structures	3	
		LD UCA Core (Lab Science) ²	4	core link
CSCI CISA	1340 3335	Introduction to Programming or Data Analysis using Python	3	
CISA MGMT	2330 2301	Business Statistics or Business Communications (LD UCA Core) ²	3	BUSI2103 BUSI2013
ACCT ECON	2321 2321	Legal Environment of Business or Principles of Microeconomics (LD UCA Core) ²	3	BLAW2003 ECON2203

Year 3**Fall – Semester 5 (Credit hours: 15)**

SUBJ	NUM	TITLE	SCH	ACTS
CISA	3321	Managing Systems and Technology	3	
CSCI		Advanced CS Elective (3000/4000 level)	3	
MGMT	3340	Managing People and Work (UD UCA Core: D, R)	3	
ACCT	2321	Legal Environment of Business or General Elective	3	BLAW2003
		LD UCA Core Choice ²	3	core link

Spring – Semester 6 (Credit hours: 15)

SUBJ	NUM	TITLE	SCH	ACTS
CSCI CISA	2335 3363	Networking or Telecommunications and Computer Networks I	3	
CISA CSCI	3365 3360	Database Applications or Database Systems	3	
CSCI CISA	3381 3339	Object-Oriented Software Development with Java or Programming in Java I	3	
CISA CSCI	4360 4315	Principles of Information Security or Information Security	3	
		LD UCA Core Choice ²	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) ²	3	
CISA	3328	Systems Analysis and Design (UD UCA Core: C) ²	3	
CSCI CISA MATH WRID	3311 3310	Advanced Elective or Advanced Elective or Statistical Methods or Technical Writing	3	
CSCI CISA	3V75 3382	Internship (must be 3 hours) or Internship or Advanced CS/CISA elective approved by Chair	3	
MKTG	3350	Principles of Marketing	3	

Spring – Semester 8 (Credit hours: 14)

SUBJ	NUM	TITLE	SCH	ACTS
CSCI or CISA		Advanced Application Elective (3000/4000 level)	3	
CISA	4355	Project Management (UD UCA Core: Z) ²	3	
CSCI		Advanced CS Elective (3000/4000 level)	3	
		General Elective	3	
		General Elective	2	

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 online information resources for UCA scholarships at <https://uca.edu/scholarships/> and for state scholarships at <https://scholarships.adhe.edu/scholarships-and-programs/a-z/>.

² Students must select one course from each category to meet UCA Core requirements.

- Physical Science
- Life Science
- Mathematics
- Writing (2 semesters)
- American History and Government*
- Fine Arts/Humanities*
- Diversity and Creative Works*
- Responsible Living*
- MGMT 2301 Business Communications (Oral Communication)
- ECON 2321 Microeconomics or ECON 2320 Macroeconomics (Social Science)
- ECON 2310 Global Environment of Business (Diversity in World Cultures)

Notes – *continued*

*First Year Seminar courses may be available in these areas.

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.