

Academic Map: MIS, Application Development – Programmer Analyst

Department: Management Information Systems **Degree:** BBA
Program/Major: MIS
Track/Emphasis: Application Development – Programmer Analyst
Does this program require a minor? (Yes/No) No

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/mis/>
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* UCA Lower-Division 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: 15)

SUBJ	NUM	TITLE	SCH	ACTS
WRTG	1310	Introduction to College Writing (LD UCA Core) ²	3	ENGL1013
MATH	1390	College Algebra (LD UCA Core) ²	3	MATH1103
		LD UCA Core Choice First Year Seminar ³	3	core link
		LD UCA Core Choice ³	3	core link
		General Elective	3	

Spring – Semester 2 (credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
WRTG or ENGL	1320 1320	Academic Writing and Research or Interdisciplinary Writing and Research or Approved Alternative (LD UCA Core) ²	3	ENGL1023 ENGL1023 core link
MATH	1395	Applied Mathematics for Business	3	
ECON	2310	Global Environment of Business (LD UCA Core) ^{2, 4}	3	
		LD UCA Core Choice (Natural Science) ³	4	core link

SUBJ	NUM	TITLE	SCH	ACTS
		LD UCA Core Choice ³	3	core link

Year 2**Fall – Semester 3 (credit hours: 15)**

SUBJ	NUM	TITLE	SCH	ACTS
QMTM	2330	Business Statistics	3	BUSI2103
ACCT	2310	Principles of Accounting I	3	ACCT2003
ECON	2320 2321	Principles of Macroeconomics (LD UCA Core) ^{2, 4} or Principles of Microeconomics (LD UCA Core) ^{2, 4}	3	ECON2103 ECON2203
MIS ACCT	1300 2321	Business Computing or Legal Environment of Business	3	BLAW2003
		LD UCA Core Choice ³	3	core link

Spring – Semester 4 (credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
MGMT	2301	Business Communications (LD UCA Core) ⁴	3	BUSI2013
ACCT	2311	Principles of Accounting II	3	ACCT2013
ECON	2320 2321	Principles of Macroeconomics (LD UCA Core) ^{2, 4} or Principles of Microeconomics (LD UCA Core) ^{2, 4}	3	ECON2103 ECON2203
MIS ACCT	1300 2321	Business Computing or Legal Environment of Business	3	BLAW2003
		LD UCA Core Choice (Natural Science) ³	4	core link

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

SUBJ	NUM	TITLE	SCH	ACTS
MGMT	3340	Managing People and Work (UD UCA Core: D, R) ⁵	3	
MKTG	3350	Principles of Marketing ⁵	3	
MIS	3321	Managing Systems and Technology	3	
MIS	3300	Introduction to Computer Architecture and Programming	3	
		General Elective	3	

Spring – Semester 6 (credit hours: 15)

SUBJ	NUM	TITLE	SCH	ACTS
MGMT	3344	Operations in Supply Chain Management ⁵	3	
FINA	3330	Managing Finance and Capital (UD UCA Core: I) ⁵	3	
MIS	3301 3335 3339 3362	Programming in COBOL I or Programming in Python I or Programming in Java I or Programming in Visual Basic I	3	
MIS	3365	Database Applications	3	
		General Elective	3	

Year 4**Fall – Semester 7 (Credit hours: 15)**

SUBJ	NUM	TITLE	SCH	ACTS
MIS	3328	Systems Analysis and Design (UD UCA Core: C)	3	
MIS	3363	Telecommunications and Computer Networks I	3	
MIS	4329	Database Management Systems	3	
MIS		MIS Major Course Elective	3	
		General Elective	3	

Spring – Semester 8 (Credit hours: 13)

SUBJ	NUM	TITLE	SCH	ACTS
MGMT	4347	Managing Policy and Strategy (UD UCA Core: Z) ⁵	3	
MIS	4355	Project Management	3	
		General Elective	3	
		General Elective	3	
		General Elective	1	

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 ____ Yes

If “yes,” specify: _____

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 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 requirements of the upper-division (UD) UCA Core. Management Information Systems majors will satisfy the UCA Core Upper Division Requirements by completing the following courses: FINA 3330 Managing Finance and Capital [UD UCA Core: I], MGMT 3340 Managing People and Work [UD UCA Core: D, R], MIS 4328 Systems Analysis and Design [UD UCA Core: C], and MGMT 4347 Managing Policy and Strategy [UD UCA Core: Z (Capstone)].

³ Students must select one course from each category to meet UCA Core requirements.

- Physical Science
- Life Science
- American History and Government*
- Fine Arts/Humanities*
- Diversity and Creative Works*

Notes – *continued*

- Responsible Living*
- ECON 2310 (Diversity in World Cultures)*

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

⁴ All BBA students must take ECON 2310, MGMT 2301, ECON 2320, and ECON 2321 as part of their Business Foundation courses. Nine of these hours (ECON 2310, MGMT 2301, and either ECON 2320 or ECON 2321) will count towards both BBA degree requirements and the UCA Core requirements.

⁵ FINA 3330, MGMT 3340, MGMT 3344, MKTG 3350. These courses have a prerequisite requirement of an average grade of C or better in the following courses ACCT 2310, ACCT 2311 or CSCI 2320, ECON 2320, ECON 2321, QMTH 2330.