

## 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:** <http://uca.edu/ubulletin/general-policies-information/uca-core/>  
**LD Core Check Sheet:** <http://uca.edu/academicbulletins/ld-uca-core/>  
**Degree Requirements:** <http://uca.edu/ubulletin/general-policies-information/degree-requirements/>  
**Program Description:** <http://uca.edu/ubulletin/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/) (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](http://uca.edu/academicbulletins/acts/) 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: **15**)

SUBJ	NUM	TITLE	SCH	ACTS
WRTG	1310	Introduction to College Writing (LD UCA Core) <sup>1</sup>	3	ENGL1013
MATH	1390	College Algebra (LD UCA Core) <sup>1</sup>	3	MATH1103
		LD UCA Core Choice First Year Seminar <sup>2</sup>	3	<a href="#">core link</a>
		LD UCA Core Choice <sup>2</sup>	3	<a href="#">core link</a>
		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) <sup>1</sup>	3	ENGL1023 ENGL1023 <a href="#">core link</a>
MATH	1395	Business Calculus	3	
ECON	2310	Global Environment of Business (LD UCA Core) <sup>1, 3</sup>	3	
		LD UCA Core Choice (Natural Science) <sup>2</sup>	4	<a href="#">core link</a>
		LD UCA Core Choice <sup>2</sup>	3	<a href="#">core link</a>

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

SUBJ	NUM	TITLE	SCH	ACTS
QMTH	2330	Business Statistics	3	<a href="#">BUSI2103</a>
ACCT	2310	Principles of Accounting I	3	<a href="#">ACCT2003</a>
ECON	2320 2321	Principles of Macroeconomics (LD UCA Core) <sup>1,3</sup> or Principles of Microeconomics (LD UCA Core) <sup>1,3</sup>	3	<a href="#">ECON2103</a> <a href="#">ECON2203</a>
MIS ACCT	2343 2321	Desktop Support Technologies or Legal Environment of Business	3	<a href="#">BLAW2003</a>
		LD UCA Core Choice <sup>2</sup>	3	<a href="#">core link</a>

**Spring – Semester 4 (credit hours: 16)**

SUBJ	NUM	TITLE	SCH	ACTS
MGMT	2301	Business Communications (LD UCA Core) <sup>3</sup>	3	<a href="#">BUSI2013</a>
ACCT	2311	Principles of Accounting II	3	<a href="#">ACCT2013</a>
ECON	2320 2321	Principles of Macroeconomics (LD UCA Core) <sup>1,3</sup> or Principles of Microeconomics (LD UCA Core) <sup>1,3</sup>	3	<a href="#">ECON2103</a> <a href="#">ECON2203</a>
MIS ACCT	2343 2321	Desktop Support Technologies or Legal Environment of Business	3	<a href="#">BLAW2003</a>
		LD UCA Core Choice (Natural Science) <sup>2</sup>	4	<a href="#">core link</a>

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

SUBJ	NUM	TITLE	SCH	ACTS
MGMT	3340	Managing People and Work (UD UCA Core: D) <sup>4</sup>	3	
MKTG	3350	Principles of Marketing <sup>4</sup>	3	
MIS	3321	Managing Systems and Technology <sup>4</sup> (UD UCA Core: R)	3	
MIS	3365	Database Applications	3	
		General Elective	3	

**Spring – Semester 6 (credit hours: 15)**

SUBJ	NUM	TITLE	SCH	ACTS
MGMT	3344	Operations in Supply Chain Management <sup>4</sup>	3	
FINA	3330	Managing Finance and Capital (UD UCA Core: I) <sup>4</sup>	3	
MIS	3301 3335 3339 3362	COBOL I or Programming in Scripting Languages or Programming in Java I or Visual Basic	3	
MIS	3363	Telecommunications and Computer Networks I	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		MIS Major Course Elective	3	
MIS	3301 3335 3339 3362 4339	COBOL I or Programming in Scripting Languages or Programming in Java I or Visual Basic or Programming in Java II	3	
CSCI	1370	Computer Science I		
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) <sup>4</sup>	3	
MIS	4329	Database Management Systems	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**

<sup>1</sup> 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], MIS 3321 Managing Systems and Technology [UD UCA Core: R], MIS 3328 Systems Analysis and Design [UD UCA Core: C], and MGMT 4347 Managing Policy and Strategy [UD UCA Core: Z (Capstone)].

<sup>2</sup> Students must select one course from each category to meet UCA Core requirements.

- Physical Science
- Life Science
- American History and Government\*

Notes – *continued*

- Fine Arts/Humanities\*
- Diversity and Creative Works\*
- Responsible Living\*
- ECON 2310 (Diversity in World Cultures)\*

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

<sup>3</sup> 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.

<sup>4</sup> FINA 3330, MGMT 3340, MGMT 3344, MKTG 3350, MIS 3321. These courses have a prerequisite requirement of an average grade of C or better in the following courses ACCT 2310, ACCT 2311, ECON 2320, ECON 2321, QMTH 2330.