

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: <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-dev/colleges-departments-programs/college-of-business/department-of-management-information-systems/>
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](#) 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 | 3 | ENGL1013 |
| BIOL | 1400 | Exploring Concepts in Biology or Approved alternative (LD UCA Core: Life Science) ² | 4 | BIOL1004 core link |
| | | LD UCA Core: Fine Arts/Humanities ² | 3 | core link |
| HIST | 2301 | 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 |
| HIST | 2302 | | | HIST2123 |
| PSCI | 1330 | | | PLSC2003 |
| ECON | 2310 | Global Environment of Business ⁴ | 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) ² | 3 | ENGL1023 ENGL1023 core link |
| CSCI | 1470 | Computer Science I | 4 | |
| | | LD UCA Core: Physical Science ² | 4 | core link |
| ECON | 2320 | Principles of Macroeconomics ⁵ | 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 ⁶ | 3–4 | MATH2405 |
| ACCT | 2310 | Accounting I | 3 | ACCT2003 |
| MGMT | 2301 | Business Communication ⁷ | 3 | BUSI2013 |
| CSCI | 1480 | Computer Science II | 4 | |
| ECON | 2321 | Principles of Microeconomics ⁵ | 3 | ECON2203 |

Spring – Semester 4 (Credit hours: 15)

| SUBJ | NUM | TITLE | SCH | ACTS |
|--------------|--------------|---|-----|--|
| CSCI | 2320 | Data Structures | 3 | |
| QMTM MATH | 2330 2311 | Business Statistics or Statistical Methods I | 3 | BUSI2103 MATH2103 |
| CSCI MIS | 1340 3335 | Introduction to Programming or Programming in Python I | 3 | |
| | | LD UCA Core: Diversity in Creative Works ² | 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 | |
| CSCI | | Advanced CS Elective (3000/4000 level) | 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 | 3 | |
| MIS CSCI | 3365 3360 | Database Applications or Database Systems | 3 | |
| CSCI MIS | 3381 3339 | Object-Oriented Software Development with Java Programming in Java I | 3 | |

| SUBJ | NUM | TITLE | SCH | ACTS |
|-------------|--------------|--|-----|---------------------------|
| CSCI MIS | 4315 4360 | Information Security Principles of Information Security | 3 | |
| | | LD UCA Core: Responsible Living 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) | 3 | |
| MIS | 3328 | Systems Analysis and Design (UD UCA Core: C) | 3 | |
| 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: 13/14)

| 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 | |
| | | General Elective(s) | 4-5 | |

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: 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 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.

Notes – *continued*

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

⁴ Fulfills the Diversity in World Cultures requirement in the LD UCA Core.

⁵ Fulfills the Inquiry and Analysis/Social Science requirement in the LD UCA Core.

⁶ Either course fulfills the Critical Inquiry/Quantitative requirement in the LD UCA Core.

⁷ Fulfills the Oral Communication requirement in the LD UCA Core.