



# INFORMATION SYSTEMS

BACHELOR OF SCIENCE

### UCA Lower-Division Core (38 hours)

**Complete all UCA LD Core requirements**

### Business & Core Lower-Division Reqs. (24 hours)

MATH 1395 Applied Math for Business <sup>1,*</sup> OR MATH 1491 Calc. for Life Sciences <sup>1,*</sup>
ACCT 2321 Legal Environment of Business I
ECON 2310 Global Environment of Business <sup>1</sup>
MGMT 2301 Business Communications <sup>1</sup>
ACCT 2310 Principles of Accounting I <sup>2,*</sup>
CISA 2330 Business Statistics <sup>2,*</sup>
ECON 2320 Prin. of Macroeconomics <sup>1,2,*</sup>
ECON 2321 Prin. of Microeconomics <sup>1,2,*</sup>

### Business Upper-Division Reqs. (12 hours)

CISA 3321 Managing Systems and Tech.
FINA 3330 Managing Finance & Capital*
MGMT 3340 Managing People & Work*
MKTG 3350 Principles of Marketing*

### Graduation Requirements

	REQUIRED Hours	✓	REQUIRED GPA	✓
Total / Overall	120		2.0	
Information Systems Major	30		2.0	
Computer Science Minor	17		2.0	
Business & Core LD Requirements	36 - 37			
UCA Lower Division Core	38			
UCA Upper Division Hours	40			
UCA Residence Requirements	30			

### Computer Science Minor (17 hours)

CSCI 1470 CS I*
CSCI 1480 CS II*
CSCI 2320 Data Structures*
<b>Complete 2 CSCI Minor Electives</b>

### Electives to reach 120 hours


### Information Systems Major (30 hours)

**Complete 7 Required Major Courses**

CISA 3328 Systems Analysis and Design*
CISA 3335 Data Analysis Using Python OR CSCI 1340 Intro to Programming*
CISA 3339 Programming in Java I* OR CSCI 3381 Object-Oriented Software Development*
CISA 3363 Telecomm. and Networks I OR CSCI 2335 Networking*
CISA 3365 Database Applications* OR CSCI 3360 Database Systems*
CISA 4355 Project Management*
CISA 4360 Prin. of Information Security OR CSCI 4315 Information Security*

**Complete 3 IS Major Electives**


**IS Major Electives** should be selected from the approved list.

This check sheet summarizes degree requirements. Please refer to the *Undergraduate Bulletin* for official information about academic programs and undergraduate degree policies. Your academic advisor or the Office of the Registrar can help you understand the Undergraduate Bulletin if needed.

<https://uca.edu/ubulletin/>

**Choose 3 IS Major Electives** from this list:

CISA 3366 Website Development\*  
CISA 3V82 Internship\*  
CISA 4320 Critical Thinking & Experimental Design\*  
CISA 4325 Predictive Analytics\*  
CISA 4329 Database Management Systems\*  
CISA 4330 Prescriptive Analytics\*  
CISA 4366 Advanced Web Design\*  
CISA 4380 Business Intelligence & Data Visualization\*  
CISA 4381 Data Mining & Applied Analytics\*  
CISA 4V82 Internship\*  
CSCI 3V75 Internship\*  
CSCI 4305 Linux/Unix\*  
CSCI 4365 Web Technology\*  
CSCI 4370 Data Mining\*  
CSCI 4371 Machine Learning\*  
CSCI 4372 Data Clustering\*  
MATH 3311 Statistical Methods II\*  
OR WRTG 3310 Technical Writing\*

**Choose 2 CSCI Minor Electives:**

Select any 2 upper-division CSCI courses. May not double-count any course that is also fulfilling the IS Major requirements.

<https://uca.edu/ubulletin/courses/csci/>

**Notes**

<sup>1</sup> In addition to meeting Business & Core lower-division requirements, this course also counts toward the UCA lower-division core.

<sup>2</sup> ACCT 2310, CISA 2330, ECON 2320, and ECON 23321 are prerequisites to the Business Upper-Division Requirements of FINA 3330, MGMT 3340, and MKTG 3350. BS-IS students are not required to take ACCT 2311.

\* This course has one or more prerequisites.

**Important Resources**

CISA Course Descriptions: <https://uca.edu/ubulletin/courses/cisa/>

Department of Computer Information Systems & Analytics

<https://uca.edu/cisa/>

UCA Lower-Division Core: <https://uca.edu/academicbulletins/ld-uca-core/>

UCA Upper-Division Core: <https://uca.edu/academicbulletins/ud-uca-core/>

UCA – Arkansas Course Transfer System

<https://uca.edu/academicbulletins/acts/>