APPLIED DATA ANALYTICS

BACHELOR OF SCIENCE

UNIVERSITY OF CENTRAL ARKANSAS | COLLEGE OF BUSINESS

UCA Lower-Division Core (38 hours)

Complete all UCA LD Core requirements

Business & Core LD Reqs. (27 hours)

	CISA 1300 Business Computing
	MATH 1395 Business Math [1]
	ACCT 2321 Legal Environment of Business I
	ECON 2310 Global Environment of Business [1]
	MGMT 2301 Business Communications [1]
	ACCT 2309 Prin. of Managerial Accounting [2],* OR ACCT 2310 Prin. of Financial Accounting [2],*
	CISA 2330 Business Statistics [2],*
	ECON 2320 Prin. of Macroeconomics [1,2],*
	ECON 2321 Prin. of Microeconomics [1,2],*

Business UD Requirements (9 hours)

	FINA 3330 Managing Finance & Capital *
	MGMT 3340 Managing People & Work *
	MKTG 3350 Principles of Marketing * OR MGMT 3344 Operations & Supply Chain Management *

Electives to reach 120 hours

Data Analytics/Technical Courses (42 hours)

	CISA 3300 Intro to Computer Architecture/Programming*
	CISA 3321 Managing Systems and Tech.
	CISA 3328 Systems Analysis & Design*
	CISA 3335 Data Analysis Using Python*
	CISA 3343 Advanced Spreadsheet Applications*
	CISA 3365 Database Applications*
	CISA 4320 Critical Thinking in Data Analytics
	CISA 4325 Predictive Analytics*
	CISA 4330 Prescriptive Analytics*
	CISA 4355 Project Management*
	CISA 4380 Business Intelligence & Data Visualization*
	CISA 4381 Data Mining & Applied Analytics*
	ECON 3335 Econometrics * OR MKTG 4353 Marketing Research & Data Management*
Complete 1 CISA Elective	

Graduation Requirements

	REQUIRED Hours	✓	REQUIRED GPA	✓
Total / Overall	120		2.0	
Data Analytics/Technical	42		2.0	
Business & Core LD + Bus. UD	36			
UCA Lower Division Core	38			
UCA Upper Division Hours	40			
UCA Residence Requirement	30			

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/

Complete 1 CISA Elective

Any CISA upper-division course or WRTG 3310

CISA 3339 PROGRAMMING IN JAVA I *

CISA 3362 PROGRAMMING IN VISUAL BASIC I *

CISA 3363 TELECOMMUNICATIONS AND COMPUTER NETWORKS I *

CISA 3366 WEBSITE DEVELOPMENT

CISA 4329 DATABASE MANAGEMENT SYSTEMS*

CISA 4339 PROGRAMMING IN JAVA II*

CISA 4360 PRINCIPLES OF INFORMATION SECURITY *

CISA 4361 CYBERSECURITY GOVERNANCE AND POLICY *

CISA 4363 TELECOMMUNICATIONS AND COMPUTER NETWORKS II *

CISA 4364 COMPUTER AND NETWORK SECURITY *

CISA 4366 E-COMMERCE AND ADVANCED WEBSITE DEVELOPMENT *

CISA 4367 ADVANCED WEB DESIGN WITH DATABASES *

CISA 4370 ADVANCED TOPICS IN INFORMATION SYSTEMS *

CISA 4375 CYBERSECURITY STRATEGY AND MANAGEMENT*

CISA 4390 SPECIAL PROJECTS IN INFORMATION SYSTEMS

CISA 4V71 CISA PROJECT

CISA 3V82 INTERNSHIP IN COMPUTER INFORMATION SYSTEMS AND ANALYTICS

CISA 4V82 INTERNSHIP IN COMPUTER INFORMATION SYSTEMS AND ANALYTICS

WRTG 3310 Technical Writing*

Notes

[1] In addition to meeting Business & Core lower-division requirements, this course also counts toward the UCA lower-division core.

[2] CISA 2330, ECON 2320, ECON 23321, and ACCT 2309 or 2310 (12 hours) are required prerequisites to the Business Upper-Division Requirements of FINA 3330, MGMT 3340, MGMT 3344, and MKTG 3350.

* 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/