

# DEGREE REQUIREMENT CHECKSHEET 2021 – 2022 BULLETIN BS APPLIED DATA ANALYTICS

## MAJOR REQUIREMENTS

### Business & Core Lower Division Requirements (27 hours)

- \_\_\_\_\_ ACCT 2310 Principles of Accounting I\*
- \_\_\_\_\_ ACCT 2321 Legal Environment of Business I
- \_\_\_\_\_ ECON 2310 Global Environment of Business+  
(UCA Core: Diversity in World Cultures Course)
- \_\_\_\_\_ ECON 2320 Principles of Macroeconomics\*+  
(UCA Core: Critical Inquiry Social Science Course)
- \_\_\_\_\_ ECON 2321 Principles of Microeconomics\*  
(UCA Core: Critical Inquiry Social Science Course)
- \_\_\_\_\_ MIS 1300 Business Computing
- \_\_\_\_\_ MGMT 2301 Business Communications\*+  
(UCA Core: Oral Communication Course)
- \_\_\_\_\_ MATH 1390 College Algebra\*+  
(UCA Core: Critical Inquiry Course)

### Mathematics Requirement (6 hours)

- \_\_\_\_\_ QMTH 2330 Business Statistics\*^ or equivalent
- \_\_\_\_\_ MATH 1395 Applied Mathematics for Business\*^ or higher (UCA Core: Critical Inquiry Quantitative Course)

### Business Upper Division Requirements (12 hours)

Prerequisite note: Completion of ACCT 2310, ACCT 2311 OR CSCI 2320 OR CSEC 2300, ECON 2320, ECON 2321, and QMTH 2330 OR equivalent is **required prior** to enrolling in FINA 3330, MGMT 3340, MGMT 3344 or MKTG 3350.

- \_\_\_\_\_ MIS 3321 Managing Systems and Technology
- \_\_\_\_\_ FINA 3330 Managing Finance & Capital\*
- \_\_\_\_\_ MGMT 3340 Managing People & Work\*
- \_\_\_\_\_ MKTG 3350 Principles of Marketing\* OR MGMT 3344 Operations & Supply Chain Management

### Analytics Requirement (39 hours)

- \_\_\_\_\_ MIS 3300 Intro to Computer Architecture/Programming\*
- \_\_\_\_\_ MIS 3328 Systems Analysis & Design\*
- \_\_\_\_\_ MIS 3335 Python for Data Analytics\*
- \_\_\_\_\_ MIS 3343 Advanced Spreadsheet Applications\*
- \_\_\_\_\_ MIS 3365 Database Applications\*
- \_\_\_\_\_ MIS 4320 Critical Thinking & Experimental Design
- \_\_\_\_\_ MIS 4325 Predictive Analytics\*
- \_\_\_\_\_ MIS 4330 Prescriptive Analytics\*
- \_\_\_\_\_ MIS 4380 Business Intelligence & Data Visualization\*
- \_\_\_\_\_ MIS 4381 Data Mining & Applied Analytics\*
- \_\_\_\_\_ ECON 3335 Econometrics\* OR MKTG 4353 Market Research & Data Management\*
- \_\_\_\_\_ MIS 4355 Project Management\*
- \_\_\_\_\_ Any advanced MIS elective OR WRTG 3310 Technical Writing\*

### General Electives (to equal 120 total hours)

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- \*This course has prerequisites; check the Undergraduate Bulletin for details
- +Can fulfill UCA Core requirement
- ^These courses satisfy the BS special degree requirements

## SUMMARY OF GRADUATION REQUIREMENTS

1. A minimum of 120 hours earned from the following areas:
  - UCA Lower Division Core - 38 hours
    - **UCA Lower Division Core requirements can be found at: <http://uca.edu/core>**
    - UCA Lower Division Core requirements for Diversity in World Cultures, Oral Communication, Critical Inquiry Quantitative, Critical Inquiry Social Science will be completed as students complete the Lower Division Business requirements and UCA Core
    - ECON 1310 Modern Political Economy and FINA 2330 Personal Finance are Responsible Living Social Science alternatives available within the COB for students to consider when choosing a Responsible Living class
  - UCA Upper Division Core
    - At least one upper division course in each of the following categories is required: Diversity (D), Effective Communication (C), Responsible Living (R), Critical Inquiry (I), and Capstone Experience (Z)
    - These requirements will be met by completing the Business Upper Division, Technology, and Strategy/Management Requirement
  - Business & Core Lower Division Requirement (27 hours)
    - 12 hours may be counted for UCA Core
  - Mathematics Requirement (6 hours)
  - Business Upper Division Requirement (12 hours)
  - Analytics Requirement (39 hours)
  - Electives to equal 120 hours
2. At least a 2.00 Grade Point Average is required overall and in the major.
3. Forty hours of upper division credit (3000 – 4000 level courses) are required for graduation.
4. For additional information, consult your academic advisor or the Undergraduate Bulletin.