

# DEGREE REQUIREMENT CHECKSHEET 2019 – 2020 BULLETIN BS INFORMATION SYSTEMS

## MAJOR REQUIREMENTS

### Business Lower Division Requirements (24 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)
- \_\_\_\_\_ QMTH 2330 Business Statistics\* OR equivalent\*
- \_\_\_\_\_ MATH 1395 Applied Mathematics for Business\* OR  
MATH 1491 Calculus for the Life Sciences\*  
(UCA Core: Critical Inquiry Quantitative Course)
- \_\_\_\_\_ MGMT 2301 Business Communications\*  
(UCA Core: Oral Communication Course)

### Business Upper Division Requirements (12 hours)

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

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

### Minor in Computer Science (17 hours)

- \_\_\_\_\_ CSCI 1470 CS I
- \_\_\_\_\_ CSCI 1480 CS II\*
- \_\_\_\_\_ CSCI 2320 Data Structures\*
- \_\_\_\_\_ CSCI Upper Division Course\* \_\_\_\_\_
- \_\_\_\_\_ CSCI Upper Division Course\* \_\_\_\_\_

### Information Systems Requirement (30 hours)

- \_\_\_\_\_ CSCI 1340 Introduction to Programming\*+ OR  
MIS 3335 Programming in Python I+
- \_\_\_\_\_ MIS 3365 Database Applications\*+ OR  
CSCI 3360 Database Systems\*+
- \_\_\_\_\_ CSCI 3335 Networking\*+ OR  
MIS 3363 Telecommunications and Networks I+
- \_\_\_\_\_ CSCI 3381 Object-Oriented Software Development\*+ OR  
MIS 3339 Programming in Java I\*+
- \_\_\_\_\_ MIS 4360 Principles of Information Security+ OR  
CSCI 4315 Information Security\*+
- \_\_\_\_\_ CSCI 3375 Internship\*+ OR  
MIS 3382 Internship\*+ OR  
One advanced CS/MIS course approve by Chair
- \_\_\_\_\_ MIS 3328 Systems Analysis and Design\*
- \_\_\_\_\_ MIS 4355 Project Management\*
- \_\_\_\_\_ One upper division CSCI or MIS course OR  
MATH 3311 Statistical Methods II\* OR  
WRTG 3310 Technical Writing\* OR  
a second internship

### **Take ONE of the following (part of 30 hours above):**

- \_\_\_\_\_ MIS 4329 Database Management Systems\*
- \_\_\_\_\_ MIS 4366 Advanced Web Design\*
- \_\_\_\_\_ MIS 4380 Business Intelligence & Data Visualization\*
- \_\_\_\_\_ MIS 4381 Data Mining & Applied Analytics\*
- \_\_\_\_\_ CSCI 4305 Linux/Unix\*
- \_\_\_\_\_ CSCI 4365 Web Technology\*

- \_\_\_\_\_ CSCI 4370 Data Mining\*
- \_\_\_\_\_ CSCI 4371 Machine Learning\*
- \_\_\_\_\_ CSCI 4372 Data Clustering\*

\*This course has prerequisites; check the Undergraduate Bulletin for details

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

General Electives (total must equal 120 or more hours)

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**Notes:** Six hours of advanced CS courses are required for the CS minor. These six hours may come from courses required as part of the 30 hours in Information Systems. However, if any hours from the Information Systems requirement are used to fulfill the CS Minor, students must replace those hours with any elective upper-division CSCI or MIS hours. Students must have seventeen (17) hours of CSCI courses for the CS minor plus thirty (30) hours of Information Systems course credit (for a total of 47 hours for both).

+Students may receive credit for only one of these two course sequences.

## 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 and Information Systems requirements
  - Business Lower Division Requirements (24 hours)
  - Business Upper Division Core (12 hours)
  - Minor in Computer Science (18 hours)
  - Information Systems Requirements (30 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