Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, Irvine 2022-2023 General Catalog, Quarter	From: De Anza College 2022-2023 General Catalog, Quarter

Business Information Management, B.S.

GENERAL INFORMATION

The undergraduate Business Information Management major administered by the Donald Bren School of Information and Computer Sciences is a collaborative, interdisciplinary degree program between the Bren School and The Paul Merage School of Business. The program seeks to educate students to understand and then apply the theories and concepts of a broad, integrated curriculum covering computing, informatics, business fundamentals, and analytical decision-making. The major prepares students for a wide variety of careers and life experiences. Business Information Management majors can pursue careers in the for-profit and not-for-profit sectors or can proceed to graduate school in several disciplines, including information systems, computing, economics, business, and law. Admission to this major is highly competitive. The most important selection criteria are completion of the required preparatory courses and academic performance. *This major does not participate in the TAG program.*

Required for admission:

Students must have a cumulative UC transferable GPA of 3.0 and a minimum grade of B in all required courses below:

- **One year of computer programming courses in a single object-language. For example Python, Java, or C++. Object-oriented or higher-level programming language courses that do not directly articulate to I&C SCI 31-33 can be used to satisfy the admissions requirements. Introduction to computer science courses do not meet this requirement.**
- Two semesters/two quarters of approved first-year Calculus
- One year of micro and macroeconomics theory equivalent to UCI's ECON 20A - ECON 20B
- One year of introductory accounting theory and practice equivalent to UCI's MGMT 30A - MGMT 30B

NOTE: The introductory sequence in ICS has moved to Python. The Bren School of ICS strongly encourages all participants to become familiar with this programming language prior to matriculation. Additional computer science courses beyond the two required are strongly recommended, particularly those that align with the major(s) of interest. Java is used extensively in the curriculum; therefore, transfer students should plan to learn it by studying on their own or by completing a Java-related programming course prior to their first quarter at UCI.

Courses in Visual Basic, C, and C# are not approved preparation for this major.

Additional courses beyond those required for admission must be taken to fulfill the lower-division degree requirements, as many are prerequisites for upper-division courses. For some transfer students, this may mean that it will take longer than two years to complete their degree.

The Business Information Management major is offered jointly by The Donald Bren School of Information and Computer Sciences and The Paul Merage School of Business. More information is available at http://www.ics.uci.edu/ugrad or at The Bren School of ICS Student Affairs Office; telephone (949) 824-5156; email: ucounsel@uci.edu.

Students majoring in Business Information Management may not double major in Business Administration nor minor in Management, Innovation and Entrepreneurship, Informatics, or Information and Computer Science.

Students should have I&C SCI 31-33 credit first in order to move further into the program here at UCI.

In fulfillment of the requirements below, a single course may be used only once.

For information regarding the AP and IB examination credit policies refer to the UCI General Catalogue.

MAJOR PREPARATION COURSES REQUIRED FOR TRANSFER

I&C SCI 31 - Introduction to Programming (4.00) **--- And ---** **I&C SCI 32** - Programming with Software Libraries (4.00) **--- And ---** **I&C SCI 33** - Intermediate Programming (4.00) • *Please refer to additional important General Information section above*	←	**CIS 40** - Introduction to Programming in Python (4.50) **--- And ---** **CIS 41A** - Python Programming (4.50) **--- And ---** **CIS 41B** - Advanced Python Programming (4.50)
MATH 2A - Single-Variable Calculus (4.00)	←	**MATH 1A** - Calculus (5.00) **--- Or ---** **MATH 1AH** - Calculus - HONORS (5.00)

MATH 2B - Single-Variable Calculus (4.00)	←	**MATH 1B** - Calculus (5.00) **--- Or ---** **MATH 1BH** - Calculus - HONORS (5.00)
ECON 20A - Basic Economics I (4.00)	←	**ECON 2** - Principles of Microeconomics (4.00) **--- Or ---** **ECON 2H** - Principles of Microeconomics - HONORS (4.00)
ECON 20B - Basic Economics II (4.00)	←	**ECON 1** - Principles of Macroeconomics (4.00) **--- Or ---** **ECON 1H** - Principles of Macroeconomics - HONORS (4.00)
MGMT 30A - Principles of Accounting I (4.00)	←	**ACCT 1A** - Financial Accounting I (5.00) **--- And ---** **ACCT 1B** - Financial Accounting II (5.00) **--- Or ---** **ACCT 1AH** - Financial Accounting I - HONORS (5.00) **--- And ---** **ACCT 1BH** - Financial Accounting II - HONORS (5.00)
MGMT 30B - Principles of Accounting II (4.00)	←	**ACCT 1C** - Managerial Accounting (5.00) **--- Or ---** **ACCT 1CH** - Managerial Accounting - HONORS (5.00)

ADDITIONAL APPROVED COURSES FOR THE MAJOR

MATH 3A - Introduction to Linear Algebra (4.00)	←	**MATH 2B** - Linear Algebra (5.00) **--- Or ---** **MATH 2BH** - Linear Algebra - HONORS (5.00)
--- And ---		
I&C SCI 6N - Computational Linear Algebra (4.00)	←	No Course Articulated
I&C SCI 6D - Discrete Mathematics for Computer Science (4.00)	←	**MATH 22** - Discrete Mathematics (5.00)
I&C SCI 45J - Programming in Java as a Second Language (4.00)	←	**CIS 35A** - Java Programming (4.50) **--- And ---** **CIS 35B** - Advanced Java Programming (4.50) **--- Or ---** **CIS 36A** - Introduction to Computer Programming Using Java (4.50) **--- And ---** **CIS 36B** - Intermediate Problem Solving in Java (4.50)
IN4MATX 43 - Introduction to Software Engineering (4.00)	←	No Course Articulated
STATS 7 - Basic Statistics (4.00)	←	**MATH 10** - Introductory Statistics (5.00) **--- Or ---** **MATH 10H** - Introductory Statistics - HONORS (5.00) **--- Or ---** **PSYC 15** - Statistics and Research Methods in Social Science (4.00) Same-As: SOC 15
--- Or ---		
STATS 8 - Introduction to Biological Statistics (4.00)	←	**MATH 10** - Introductory Statistics (5.00) **--- Or ---** **MATH 10H** - Introductory Statistics - HONORS (5.00) **--- Or ---** **PSYC 15** - Statistics and Research Methods in Social Science (4.00) Same-As: SOC 15
--- Or ---		
STATS 67 - Introduction to Probability and Statistics for Computer Science (4.00)	←	No Course Articulated

END OF AGREEMENT