

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

Informatics, B.S.

GENERAL INFORMATION

Admission to the Donald Bren School of Information and Computer Science 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 GPA of 3.0 and grade of B or higher in all required courses below:

- **One year of computer programming courses* in a single object-language (Python, Java, or C++). Object-oriented 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.**
- One college-level mathematics course at a level higher than pre-calculus; courses equivalent to I&C SCI 6B (Boolean Algebra and Logic), Statistics 7 (Basic Statistics) or Statistics 67 (Introduction to Probability and Statistics for Computer Science) are preferred as these courses facilitate scheduling after transfer to UCI.

***NOTES:** Additional computer science and statistics courses beyond the two required are strongly recommended, particularly those that align with the major of interest. Our first year of object-oriented programming is taught in Python. C++ and Java are used extensively in the curriculum; therefore, transfer students should plan to learn it by studying on their own or by completing related programming courses 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.

More information is available at <http://www.informatics.uci.edu/> or at the ICS Student Affairs Office; telephone (949) 824-5156; e-mail: ucounsel@uci.edu.

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)

I&C SCI 6B - Boolean Logic and Discrete Structures (4.00)



No Course Articulated

--- Or ---

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 67 - Introduction to Probability and Statistics for Computer Science (4.00)



No Course Articulated

ADDITIONAL APPROVED COURSES FOR THE MAJOR

I&C SCI 45J - Programming in Java as a Second Language (4.00)



CIS 35A - Java Programming (4.50)

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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

END OF AGREEMENT