Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, Irvine 2022-2023 General Catalog, Quarter

From: Fullerton College 2022-2023 General Catalog, Semester

Computer Science, 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.
- Two semesters/two quarters of approved first-year Calculus
- One additional approved transferable course for the major (an approved math or CS course see below)

Additional Approved Courses:

- One course in advanced data structures
- One course in machine organization and assembly language (both topics must be covered)
- One course in software engineering
- One course in discrete mathematics
- One course in Boolean algebra
- One course in linear algebra

*NOTE: Additional computer science 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.

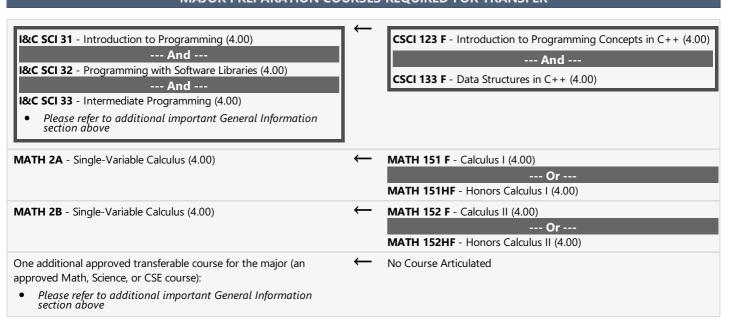
Additional courses beyond those required for admission must be taken to fulfill the lower-division degree requirements, as many are prerequisites for upper-division courses. For some transfer students, this may mean that it will take longer than two years to complete their degree.

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



\leftarrow	MATH 172 F - Graph Theory and Linear Algebra (4.00)
	Or MATH 252 F - Linear Algebra and Differential Equations (4.00)
	Or
	MATH 253 F - Additional Topics in Linear Algebra (2.00)
	Or
	MATH 255 F - Linear Algebra (3.00)
Or	
<u>←</u>	No Course Articulated
←	No Course Articulated
\leftarrow	MATH 171 F - Discrete Mathematics (4.00)
\leftarrow	CSCI 123 F - Introduction to Programming Concepts in C++ (4.00)
	And
	CSCI 133 F - Data Structures in C++ (4.00)
	And
	CSCI 223 F - "C" Language for Mathematics and Science (4.00)
	e Language for Mathematics and Science (1.55)
\leftarrow	CSCI 123 F - Introduction to Programming Concepts in C++ (4.00)
	And
	CSCI 133 F - Data Structures in C++ (4.00)
	And
	CSCI 223 F - "C" Language for Mathematics and Science (4.00)
4	
←	No Course Articulated
←	No Course Articulated
\leftarrow	No Course Articulated
←	No Course Articulated
←	No Course Articulated
	← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ←

END OF AGREEMENT