

Articulation Agreement by Major  
Effective during the 16-17 Academic Year  
Based on the 16-17 UC Transfer Course Agreement

To: **UC Irvine**

| From: **Foothill College**

16-17 General Catalog

Quarter | 16-17 General Catalog

Quarter

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**====Informatics, B.S.====**

Students transferring into the major must satisfy the following requirements with a cumulative gpa of 3.0 or better in required courses:

**PLEASE NOTE: For Fall 2019 applicants, a minimum grade of B will be required in all major prerequisite courses.**

1. Completion of 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.

2. **Completion of one year of computer programming courses in an object-oriented or higher-level programming language. For example Python, Java, C++, data structures, assembly language and machine organization. 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.**

**Note:** Additional computer science courses beyond the requirement for transfer eligibility are strongly recommended, particularly those that align with the major(s) of interest. Java, Python, and C++ are used in the curriculum; therefore, transfer students should plan to learn these languages 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.

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

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

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

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**Informatics, B.S. (continued)**

For information about Transfer Credit for Advanced Placement Exams, go to [http://www.admissions.uci.edu/applicants/ap\\_exams.html](http://www.admissions.uci.edu/applicants/ap_exams.html).

For information about Transfer Credit for International Baccalaureate Exams, go to [http://www.admissions.uci.edu/applicants/ib\\_exams.html](http://www.admissions.uci.edu/applicants/ib_exams.html).

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**MAJOR PREPARATION COURSES REQUIRED FOR TRANSFER**


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## ONE COLLEGE-LEVEL MATHEMATICS COURSE:

I&C SCI 6B	Boolean Algebra and Logic	(4)	No course articulated
	<b>OR</b>		<b>OR</b>
STATS 7	Basic Statistics	(4)	MATH 10 Elementary Statistics (5)
			<b>OR</b>
			PSYC 7 Statistics for the Behavioral Sciences (5)
			Same as: SOC 7
			<b>OR</b>
			SOC 7 Statistics for the Behavioral Sciences (5)
			Same as: PSYC 7
	<b>OR</b>		<b>OR</b>
STATS 67	Introduction to Probability and Statistics for Computer Science	(4)	No course articulated
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I&C SCI 31 &	Introduction to Programming	(4)	C S 3A Object-Oriented Programming (5)
	Same as: CSE 41		Methodologies in PYTHON
I&C SCI 32 &	Programming with Software Libraries	(4)	(= I&C SCI 31 ONLY)
	Same as: CSE 42		C S 21A Programming in Python (5)
I&C SCI 33	Intermediate Programming	(4)	(= I&C SCI 32 ONLY)
	Same as: CSE 43		
	<b>OR</b>		<b>OR</b>
I&C SCI 21	Introduction to Computer Science I	(6)	C S 1A & Object-Oriented Programming (5)
	Same as: CSE 21		Methodologies in JAVA
			C S 1B & Intermediate Software Design in JAVA (5)
			C S 1C Advanced Data Structures and Algorithms in JAVA (5)
	<b>AND</b>		<b>AND</b>

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**Informatics, B.S. (continued)**

I&C SCI 22	Introduction to Computer Science II	(6)	C S 1A &	Object-Oriented Programming	(5)
Same as: CSE 22				Methodologies in JAVA	
			C S 1B &	Intermediate Software Design in JAVA	(5)
			C S 1C	Advanced Data Structures and Algorithms in JAVA	(5)

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**ADDITIONAL APPROVED COURSES FOR THE MAJOR**


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IN4MATX 43	Introduction to Software Engineering	(4)	C S 40A	Software Engineering Methodologies	(5)
	<b>OR</b>			<b>OR</b>	
I&C SCI 52	Introduction to Software Engineering	(6)		No course articulated	
I&C SCI 90	New Students Seminar	(1)		No course articulated	
I&C SCI 45J	Programming in Java as a Second Language	(4)		No course articulated	

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**END OF INFORMATICS**


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**END OF MAJOR**