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

Cognitive Sciences, B.S.

GENERAL INFORMATION

The B.S. in Cognitive Sciences is structured to provide students with a challenging introduction to the broad field of Cognitive Sciences that is strongly grounded in theory and an empirical approach emphasizing experimental/computational methods. To ensure an intellectually coherent experience, students in the major are able to choose courses from areas including: (a) Cognitive Neuroscience; (b) Experimental Psychology–Sensation, Perception, Attention, and Memory; (c) Language Science; and (d) Computational Cognitive Science. In addition, students are required to acquire a background in (a) calculus, (b) statistics, (c) introductory computer programming, and (d) some combination of the natural sciences, logic and philosophy of science, linguistics, or more advanced computer science or mathematics. This major prepares students for a research career in cognitive science, focusing on any of the current dominant approaches of the field. The study of cognition can be approached through cognitive neuroscience, behavioral experiments, language science, computational and mathematical modeling, or any combination of those. The major combines strong technical skills with deep knowledge of at least one of these approaches.

The School of Social Sciences recommends that students complete IGETC prior to transfer and refer to the list of courses below that will fulfill UCI lower-division major requirements.

Required for admission:

- Must have a cumulative UC transferable GPA of 3.2 (3.4 for TAG)
- Complete courses in single-variable calculus equivalent to UCI's MATH 2A and MATH 2B with a grade of B or better
- Complete courses in psychology equivalent to UCI's PSYCH 9A and PSYCH 9C with grades of B or better. PSYCH 9B to be completed at UCI
- Complete 3 semesters or 3 quarters of lower-division science courses equivalent to UCI's LPS 30, ICS 31, ICS 32, ICS 33, MATH 2D, MATH 3A, MATH 3D, PHYSICS 7C, PHYSICS 7D, PHYSICS 7E courses with grades of B or better

NOTE: 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

For information regarding the UC Irvine Transfer Admission Guarantee program please visit TAG

MAJOR PREPARATION COURSES REQUIRED FOR TRANSFER

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)
PSYCH 9A - Psychology Fundamentals (4.00) Same-As: PSCI 11A	←	**PSYC 1** - General Psychology (4.00) **--- And ---** **PSYC 24** - Introduction to Psychobiology (4.00)
PSYCH 9B - Psychology Fundamentals (4.00) Same-As: PSCI 11B • *Course(s) must be taken at university*	←	This course must be taken at the university after transfer
PSYCH 9C - Psychology Fundamentals (4.00) Same-As: PSCI 11C	←	**PSYC 1** - General Psychology (4.00) **--- And ---** **PSYC 4** - Abnormal Psychology (4.00) **--- Or ---** **PSYC 1** - General Psychology (4.00) **--- And ---** **PSYC 8** - Introduction to Social Psychology (4.00)

SELECT SIX COURSES FROM THE FOLLOWING:

REFER TO CATALOG		
BIO SCI 35 - The Brain and Behavior (4.00)	←	No Course Articulated
BIO SCI 36 - Drugs and the Brain (4.00)	←	No Course Articulated
BIO SCI 37 - Brain Dysfunction and Repair (4.00)	←	No Course Articulated
BIO SCI 38 - Mind, Memory, Amnesia, and the Brain (4.00)	←	No Course Articulated
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)	←	**CIS 40** - Introduction to Programming in Python (4.50) **--- And ---** **CIS 41A** - Python Programming (4.50) **--- And ---** **CIS 41B** - Advanced Python Programming (4.50)
LSCI 3 - Introduction to Linguistics (4.00)	←	**LING 1** - Introduction to Linguistics (4.00)
LSCI 10 - Introduction to Phonology (4.00)	←	No Course Articulated
LSCI 20 - Introduction to Syntax (4.00)	←	No Course Articulated
LSCI 51 - Acquisition of Language (4.00) Same-As: PSYCH 56L	←	No Course Articulated
LPS 30 - Introduction to Symbolic Logic (4.00) Same-As: PHILOS 30, LSCI 43	←	**PHIL 7** - Deductive Logic (4.00) **--- Or ---** **PHIL 7H** - Deductive Logic - HONORS (4.00) **PHIL 7** - Deductive Logic (4.00) **--- Or ---** **PHIL 7H** - Deductive Logic - HONORS (4.00)
LPS 31 - Introduction to Inductive Logic (4.00) Same-As: PHILOS 31	←	No Course Articulated
MATH 2D - Multivariable Calculus (4.00)	←	**MATH 1D** - Calculus (5.00) **--- Or ---** **MATH 1DH** - Calculus - HONORS (5.00)
MATH 2E - Multivariable Calculus (4.00)	←	**MATH 1D** - Calculus (5.00) **--- Or ---** **MATH 1DH** - Calculus - HONORS (5.00)
MATH 3A - Introduction to Linear Algebra (4.00)	←	**MATH 2B** - Linear Algebra (5.00) **--- Or ---** **MATH 2BH** - Linear Algebra - HONORS (5.00)
MATH 3D - Elementary Differential Equations (4.00)	←	**MATH 2A** - Differential Equations (5.00) **--- Or ---** **MATH 2AH** - Differential Equations - HONORS (5.00)
PHYSICS 3A - Basic Physics I (4.00) **--- And ---** **PHYSICS 3B** - Basic Physics II (4.00) **--- And ---** **PHYSICS 3C** - Basic Physics III (4.00)	←	**PHYS 2A** - General Introductory Physics (5.00) **--- And ---** **PHYS 2B** - General Introductory Physics (5.00) **--- And ---** **PHYS 2C** - General Introductory Physics (5.00)
--- Or ---		
PHYSICS 7C - Classical Physics (4.00) **--- And ---** **PHYSICS 7LC** - Classical Physics Laboratory (1.00) **--- And ---** **PHYSICS 7D** - Classical Physics (4.00) **--- And ---** **PHYSICS 7LD** - Classical Physics Laboratory (1.00) **--- And ---** **PHYSICS 7E** - Classical Physics (4.00)	←	**PHYS 4A** - Physics for Scientists and Engineers: Mechanics (6.00) **--- And ---** **PHYS 4B** - Physics for Scientists and Engineers: Electricity and Magnetism (6.00) **--- And ---** **PHYS 4C** - Physics for Scientists and Engineers: Fluids, Waves, Optics and Thermodynamics (6.00)
PHYSICS 15 - Physics of Music (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

ADDITIONAL MAJOR REQUIREMENTS

PSYCH 10A - Probability and Statistics in Psychology I (4.00) **--- And ---** **PSYCH 10B** - Probability and Statistics in Psychology II (4.00) **--- And ---** **PSYCH 10C** - Probability and Statistics in Psychology III (4.00)	←	This course must be taken at the university after transfer

END OF AGREEMENT