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

Cognitive Science, B.A.

ADMISSIONS MAJOR SELECTION CRITERIA

Thank you for your interest in UC Merced!

For Admission to the **Cognitive Science, B.A**. major, students must earn an overall transferrable GPA of 2.4 or better, and must complete classes articulated with the following UC Merced courses by the end of spring term prior to fall enrollment or by the end of fall term prior to spring enrollment. All major preparation courses requires a "C" or better.

<u>REQUIRED</u>: Major Preparation Courses for Transfer:

- COGS 001 OR *PSY 001
- **PSY 010
- MATH 005 OR MATH 011 or MATH 021 (Allowable Substitute)

* If PSY 001 is used to meet the Required Major Preparation course for transfer, then COGS 001 will be required at UC Merced.
** PSY 010 also fulfills the Statistical Methods requirement for the major.

Additional Major Preparation Courses: Recommended to be Completed Before Transfer:

- Complete <u>one</u> Quantitative Reasoning Requirement: CSE 015 OR *MATH 011 (MATH 021 is an allowable Substitute) OR PHIL 005
- Complete <u>two</u> Introductory courses: ANTH 001, ANTH 005, BIO 001, COGS 005, ECON 001, PHIL 001, POLI 001, **PSY 001 and SOC 001
- Complete <u>one</u> introductory computing course: BIOE 021 OR CSE 005 OR CSE 019

* If using MATH 011 or MATH 021 to satisfy the Admissions requirement, the course also fulfills the Quantitative Reasoning Requirement.
** If using PSY 001 to satisfy the Admissions requirement, the course also fulfills one course for the Introductory requirement.

Courses in the major must be taken for a letter grade, and they may not be taken on a pass/no pass basis unless the course is only offered on a pass/no pass basis.

AP Exam Score & Course Exemptions

- An AP Biology: Score of 4 or 5 exempts BIO 001 and BIO 001L
- An AP Computer Science: Comp Science A score of 3 or 4 exempts CSE 005
- An AP Economics: Macroeconomics And Microeconomics score of 4 or 5 exempts ECON 001
- An AP Government and Politics: United States score of 4 or 5 exempts POLI 001
- An AP Mathematics: Calculus AB score of 3 or higher exempts MATH 005
- An AP Mathematics: Calculus AB score of 4 or 5 exempts MATH 011 or MATH 021
- An AP Mathematics: Calculus BC score of 3 or higher exempts MATH 011 or MATH 021
- An AP Mathematics: Calculus BC Subscore AB of 3 or higher exempts MATH 011 or MATH 021
- An AP Psychology score of 4 or 5 exempts PSY 001
- An AP Statistics score of 4 exempts PSY 010
- An AP Statistics score of 5 exempts ECON 010

UC Merced Advance Placement (AP) and International Baccalaureate (IB) credit policies are detailed in the link below:
Advance Placement (AP) and International Baccalaureate (IB) Examinations

IMPORTANT TRANSFER INFORMATION

In addition to the Major Selection Criteria, all Upper-Division Transfer applicants must meet minimum University of California admissions requirements. Visit https://admissions.ucmerced.edu/transfer/requirements for more specific UC Merced admissions information.

Prior to Transferring to UC Merced, please be advised of the following for Junior Transfers:

1) WRI 001 and WRI 010 are admissions requirements: In most situations, WRI 001 is fulfilled by IGETC 1A English Composition and WRI 010 is fulfilled by IGETC 1B Critical Thinking/English Composition. However best practice is to complete the articulated course for WRI 001 and WRI 010. Please scroll towards the bottom of the agreement to find the articulation for each course.

2) Transfer Admissions Guarantee (TAG): UC Merced is one of the six UC's that offers Transfer Admissions Guarantee. Please visit the TAG website for more information: https://admissions.ucmerced.edu/transfer/tag

3) General Education (GE Requirements): While general education is not required for admission, it can help speed up your time to graduation once you transfer to UC Merced. We highly recommend reviewing the **Transfer Students: Satisfying General Education** page in the catalog for a more extensive explanation of the requirements.

Transfer students are strongly encouraged to complete IGETC in order to prepare for work within the School of Social Sciences, Humanities and Arts

(SSHA). IGETC courses may double count with the major courses listed below. Please visit your Community College Counselor to learn more.

4. This agreement displays all lower-division (or Major Preparation) courses required in the major. UC Merced courses on the left, approved (articulated) transfer courses to the right.

5. Changes to this Agreements: Major requirements are subject to change from one academic year to the next. Newly-articulated courses are added on a rolling basis, and articulated courses can be revised. Visit ASSIST every semester for the latest information and consult with an Academic Counselor at your institution on a regular basis.

For more questions about admissions, please email: transfer@ucmerced.edu.

ABOUT THIS MAJOR

Cognitive Science is the interdisciplinary study of human thought and behavior. It combines methods, theories and applications from many disciplines, including philosophy, psychology, linguistics, computer science, neuroscience and biology. A degree in Cognitive Science provides in-depth training in research methods, data analysis, modeling, and lab-based research and it provides excellent training for jobs in high-tech companies. It is ideal for students who want to pursue graduate work in cognitive science, business, communications, computer science and engineering, education, information sciences and information management, law, linguistics, management, medicine, neuroscience, and psychology.

For more curriculum information, please visit the 22-23 catalog and the Four-Year Course Plan (We encourage to visit your Community College Counselor to create an individualize educational plan for transfer).

MAJOR PREPARATION COURSES REQUIRED FOR TRANSFER

Minimum grade required: C or better
Required for admission

COGS 001 - Introduction to Cognitive Science (4.00) • ***REFER TO TOP OF AGREEMENT***	← No Course Articulated

--- Or ---

PSY 001 - Introduction to Psychology (4.00)	← **PSYC 1** - General Psychology (4.00)

--- And ---

PSY 010 - Analysis of Psychological Data (5.00) • ***REFER TO TOP OF AGREEMENT***	← **PSYC 15** - Statistics and Research Methods in Social Science (4.00) Same-As: SOC 15 --- Or --- **MATH 10** - Introductory Statistics (5.00)

--- And ---

MATH 005 - Preparatory Calculus (4.00)	← **MATH 31** - Precalculus I (5.00) --- And --- **MATH 32** - Precalculus II (5.00) --- Or --- **MATH 31H** - Precalculus I - HONORS (5.00) --- And --- **MATH 32** - Precalculus II (5.00) --- Or --- **MATH 32H** - Precalculus II - HONORS (5.00)

--- Or ---

MATH 011 - Calculus I (4.00) • ***REFER TO TOP OF AGREEMENT***	← No Course Articulated

--- Or ---

MATH 021 - Calculus I for Physical Sciences & Engineering (4.00)
- **REFER TO TOP OF AGREEMENT**

←

MATH 1A - Calculus (5.00)

--- And ---

MATH 1B - Calculus (5.00)

--- Or ---

MATH 1AH - Calculus - HONORS (5.00)

--- And ---

MATH 1BH - Calculus - HONORS (5.00)

QUANTITATIVE REASONING REQUIREMENT

Select 1 Course from the following
Minimum grade required: C or better
Recommended to be completed prior to transfer

MATH 011 - Calculus I (4.00)
- **REFER TO TOP OF AGREEMENT**

← No Course Articulated

MATH 021 - Calculus I for Physical Sciences & Engineering (4.00)
- **REFER TO TOP OF AGREEMENT**

←

MATH 1A - Calculus (5.00)

--- And ---

MATH 1B - Calculus (5.00)

--- Or ---

MATH 1AH - Calculus - HONORS (5.00)

--- And ---

MATH 1BH - Calculus - HONORS (5.00)

CSE 015 - Discrete Mathematics (4.00)

←

MATH 22 - Discrete Mathematics (5.00)

--- Or ---

MATH 22H - Discrete Mathematics - HONORS (5.00)

PHIL 005 - Introduction to Logic (4.00)

← **PHIL 7** - Deductive Logic (4.00)

STATISTICAL METHODS REQUIREMENT

Select 1 Course from the following
Minimum grade required: C or better
Recommended to be completed prior to transfer

PSY 010 - Analysis of Psychological Data (5.00)
- **REFER TO TOP OF AGREEMENT**

←

PSYC 15 - Statistics and Research Methods in Social Science (4.00)
Same-As: SOC 15

--- Or ---

MATH 10 - Introductory Statistics (5.00)

BIO 018 - Data Science for Life Sciences (4.00)

← No Course Articulated

ECON 010 - Statistical Inference (4.00)

← **MATH 10** - Introductory Statistics (5.00)

INTRODUCTORY COURSE REQUIREMENT

Select 2 Courses from the following
Minimum grade required: C or better
Recommended to be completed prior to transfer

ANTH 001 - Introduction to Sociocultural Anthropology (4.00)

← **ANTH 2** - Cultural Anthropology (4.00)

ANTH 005 - Introduction to Biological Anthropology (4.00)

← **ANTH 1** - Physical Anthropology (4.00)

BIO 001 - Contemporary Biology (4.00)

← No Course Articulated

COGS 005 - Introduction to Language and Linguistics (4.00)

← **LING 1** - Introduction to Linguistics (4.00)

ECON 001 - Introduction to Economics (4.00)

←

ECON 1 - Principles of Macroeconomics (4.00)

--- And ---

ECON 2 - Principles of Microeconomics (4.00)

PHIL 001 - Introduction to Philosophy (4.00)	←	**PHIL 1** - Introduction to Philosophy (4.00)
		--- Or ---
		PHIL 20A - History of Western Philosophy: Ancient Greece (4.00)
		--- Or ---
		PHIL 20B - History of Western Philosophy: 1400 - 1800 (4.00)
		--- Or ---
		PHIL 20C - History of Western Philosophy: 1800 - the Present (4.00)
		--- Or ---
		PHIL 24 - Philosophy of Religion (4.00)
		--- Or ---
		PHIL 49 - Women and Philosophy (4.00) Same-As: WMST 49
POLI 001 - Introduction to American Politics (4.00)	←	**POLI 1** - American Government and Politics (5.00)
		--- Or ---
		POLI 1H - American Government and Politics - HONORS (5.00)
PSY 001 - Introduction to Psychology (4.00) • ***REFER TO TOP OF AGREEMENT***	←	**PSYC 1** - General Psychology (4.00)
SOC 001 - Introduction to Sociology (4.00)	←	**SOC 1** - Introduction to Sociology (4.00)

COMPUTING REQUIREMENT

Select 1 Course from the following
Recommended to be completed prior to transfer
Minimum grade required: C or better

BIOE 021 - Introduction to Computing with Python (4.00)	←	No Course Articulated
CSE 005 - Introduction to Computer Applications (4.00)	←	**CIS 3** - Business Information Systems (4.50)
CSE 019 - Introduction to Computing (4.00)	←	**CIS 26A** - C as a Second Programming Language (4.50)
		--- Or ---
		CIS 26B - Advanced C Programming (4.50) • *Effective next fall, this course will no longer articulate*
		--- Or ---
		CIS 22A - Beginning Programming Methodologies in C++ (4.50) --- And --- **CIS 22B** - Intermediate Programming Methodologies in C++ (4.50)
		--- Or ---
		CIS 22A - Beginning Programming Methodologies in C++ (4.50) --- And --- **CIS 22BH** - Intermediate Programming Methodologies in C++ - HONORS (4.50)
		--- Or ---
		CIS 27 - Programming in C++ for C/Java Programmers (4.50)
		--- Or ---
		CIS 36A - Introduction to Computer Programming Using Java (4.50) --- And --- **CIS 36B** - Intermediate Problem Solving in Java (4.50)
		--- Or ---
		CIS 41A - Python Programming (4.50)

ACADEMIC WRITING - CHOOSE ONE COURSE FROM:

REFER TO TOP OF AGREEMENT
Minimum grade required: C or better

WRI 001 - Academic Writing (4.00)

← **ESL 5** - Advanced Composition and Reading (5.00)

--- Or ---

EWRT 1A - Composition and Reading (5.00)

--- Or ---

EWRT 1AH - Composition and Reading - HONORS (5.00)

--- Or ---

EWRT 1AS - Intensive Composition and Reading Stretch: First Quarter (5.00)

- *UC credit limitation applies; refer to UC-transferability list*

--- And ---

EWRT 1AT - Intensive Composition and Reading Stretch: Second Quarter (5.00)

- *UC credit limitation applies; refer to UC-transferability list*

COLLEGE READING AND COMPOSITION - CHOOSE ONE COURSE FROM:

REFER TO TOP OF AGREEMENT
Minimum grade required: C or better

WRI 010 - College Reading and Composition (4.00)

← **COMM 9** - Argumentation: Analysis of Oral and Written Communication (5.00)

--- Or ---

COMM 9H - Argumentation: Analysis of Oral and Written Communication - HONORS (5.00)

--- Or ---

EWRT 1B - Reading, Writing and Research (5.00)

--- Or ---

EWRT 1C - Literature and Composition (5.00)

--- Or ---

EWRT 2 - Critical Reading, Writing and Thinking (5.00)

--- Or ---

EWRT 2H - Critical Reading, Writing and Thinking - HONORS (5.00)

--- Or ---

PHIL 3 - Critical Thinking and Writing (5.00)

END OF AGREEMENT