

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

From: De Anza College
2022-2023 General Catalog, Quarter

Cognitive Science B.S.

INFORMATION AND ADVISORIES

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the [UC Davis Transfer Admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of Spring term prior to Fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and Mathematics by the end of Fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/UC Davis General Education (GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete undergraduate degrees in the College of Letters and Science at UC Davis. For students pursuing a Bachelor of Science degree, IGETC also satisfies the Natural Sciences and Mathematics Area Breadth requirement of the College. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. See additional details about IGETC/GE at ASSIST. The Dean's Office of your undergraduate college at UC Davis determines whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

Advanced Placement (AP) and International Baccalaureate (IB) Examination Note:

AP and IB examination credit policies are detailed in the UC Davis [General Catalog](#). Quick reference charts for AP and IB are also available [here](#).

MAJOR PREPARATION

- Please carefully review Information and Advisories and Course Articulation Details.

COURSE ARTICULATION DETAILS

- **Important note:** Due to the limitations and bugs on the ASSIST platform at this time, it is important to view both the department and major agreements for a complete picture of the articulation arrangements. [Please refer to the appropriate department agreements in conjunction with the major agreement below.](#)
- Please check the UC Transferability Lists on ASSIST for information on any credit limitations.
- **Attention:** Articulation agreements are California Community College *specific*. Lower division courses that are taken at multiple California Community Colleges, including those within a shared district, may articulate differently from what is indicated in the department or major agreements. It is recommended that series courses be completed at the same California Community College. Please contact your California Community College counselor for more information.

COMPUTATIONAL EMPHASIS

CGS 001 - Introduction to Cognitive Science (4.00)
Same-As: PHI 010

← No Course Articulated

ECS 020 - Discrete Mathematics For Computer Science (4.00)

← **MATH 22** - Discrete Mathematics (5.00)

--- Or ---

MATH 22H - Discrete Mathematics - HONORS (5.00)

Select 1 Sequence from the following

Complete entire sequence at same institution prior to transfer

ECS 032A - Introduction to Programming (4.00)	←	No Course Articulated
ECS 032B - Introduction to Data Structures (4.00)	←	CIS 22C - Data Abstraction and Structures (4.50) <ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one <div>--- Or ---</div> CIS 22CH - Data Abstraction and Structures - HONORS (4.50) <ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one
ECS 034 - Software Development in UNIX & C++ (4.00)	←	This Course is Never Articulated

--- Or ---

ECS 036A - Programming & Problem Solving (4.00)	←	CIS 22A - Beginning Programming Methodologies in C++ (4.50) <div>--- Or ---</div> CIS 22B - Intermediate Programming Methodologies in C++ (4.50) <ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one <div>--- Or ---</div> CIS 22BH - Intermediate Programming Methodologies in C++ - HONORS (4.50) <ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one <div>--- Or ---</div> CIS 26A - C as a Second Programming Language (4.50) <div>--- Or ---</div> CIS 26B - Advanced C Programming (4.50) <div>--- Or ---</div> CIS 27 - Programming in C++ for C/Java Programmers (4.50) <ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one <div>--- Or ---</div> CIS 35A - Java Programming (4.50) <ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one <div>--- Or ---</div> CIS 36A - Introduction to Computer Programming Using Java (4.50)
ECS 036B - Software Development & Object-Oriented Programming in C++ (4.00)	←	CIS 22B - Intermediate Programming Methodologies in C++ (4.50) <ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one <div>--- Or ---</div> CIS 22BH - Intermediate Programming Methodologies in C++ - HONORS (4.50) <ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one <div>--- Or ---</div> CIS 29 - Advanced C++ Programming (4.50) <div>--- Or ---</div> CIS 35A - Java Programming (4.50) <ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one <div>--- Or ---</div> CIS 36B - Intermediate Problem Solving in Java (4.50)
ECS 036C - Data Structures, Algorithms, & Programming (4.00)	←	CIS 22C - Data Abstraction and Structures (4.50) <ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one <div>--- Or ---</div> CIS 22CH - Data Abstraction and Structures - HONORS (4.50) <ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one

LIN 001 - Introduction to Linguistics (4.00)	← LING 1 - Introduction to Linguistics (4.00)
--- Or ---	
LIN 001Y - Introduction to Linguistics (4.00)	← No Course Articulated

Select 1 Series from the following

Highly recommended to complete the entire series

If the entire sequence is not completed prior to transfer, students must consult an advisor prior to enrollment

Complete entire sequence at same institution prior to transfer

MAT 017A - Calculus for Biology & Medicine (4.00)	← No Course Articulated
MAT 017B - Calculus for Biology & Medicine (4.00)	← No Course Articulated
MAT 017C - Calculus for Biology & Medicine (4.00)	← No Course Articulated

--- Or ---

MAT 021A - Calculus (4.00)	← MATH 1A - Calculus (5.00) <ul style="list-style-type: none"> Credit for articulated courses in one series only <div>--- Or ---</div> MATH 1AH - Calculus - HONORS (5.00) <ul style="list-style-type: none"> Credit for articulated courses in one series only
MAT 021B - Calculus (4.00)	← MATH 1B - Calculus (5.00) <ul style="list-style-type: none"> Credit for articulated courses in one series only <div>--- Or ---</div> MATH 1BH - Calculus - HONORS (5.00) <ul style="list-style-type: none"> Credit for articulated courses in one series only
MAT 021C - Calculus (4.00)	← MATH 1C - Calculus (5.00) <ul style="list-style-type: none"> Credit for articulated courses in one series only <div>--- Or ---</div> MATH 1CH - Calculus - HONORS (5.00) <ul style="list-style-type: none"> Credit for articulated courses in one series only

Select 1 Course or Combination from the following

MAT 022A - Linear Algebra (3.00)	← MATH 2B - Linear Algebra (5.00) <div>--- Or ---</div> MATH 2BH - Linear Algebra - HONORS (5.00)
--- And ---	
MAT 022AL - Linear Algebra Computer Laboratory (1.00)	← No Course Articulated

--- Or ---

MAT 027A - Linear Algebra with Applications to Biology (4.00) Same-As: BIS 027A	← No Course Articulated
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PHI 012 - Introduction to Symbolic Logic (4.00)	← PHIL 7 - Deductive Logic (4.00) <div>--- Or ---</div> PHIL 7H - Deductive Logic - HONORS (4.00)
PHI 013G - Minds, Brains, & Computers with Discussion (4.00)	← No Course Articulated

PSC 001 - General Psychology (4.00)	← PSYC 1 - General Psychology (4.00)
--- Or ---	
PSC 001Y - General Psychology (4.00)	← This Course is Never Articulated

PSC 041 - Research Methods in Psychology (4.00)



PSYC 2 - Research Methods in Psychology (6.00)

--- Or ---

PSYC 15 - Statistics and Research Methods in Social Science (4.00)

Same-As: SOC 15

- *Course is articulated in more than one agreement but credit can only apply to one*

--- Or ---

SOC 15 - Statistics and Research Methods in Social Science (4.00)

Same-As: PSYC 15

- *Course is articulated in more than one agreement but credit can only apply to one*

STA 013 - Elementary Statistics (4.00)



MATH 10 - Introductory Statistics (5.00)

- *Course is articulated in more than one agreement but credit can only apply to one*

--- Or ---

MATH 10H - Introductory Statistics - HONORS (5.00)

- *Course is articulated in more than one agreement but credit can only apply to one*

--- Or ---

MATH 17 - Integrated Statistics 2 (5.00)

- *Course is articulated in more than one agreement but credit can only apply to one*

--- Or ---

PSYC 15 - Statistics and Research Methods in Social Science (4.00)

Same-As: SOC 15

- *Course is articulated in more than one agreement but credit can only apply to one*

--- Or ---

SOC 15 - Statistics and Research Methods in Social Science (4.00)

Same-As: PSYC 15

- *Course is articulated in more than one agreement but credit can only apply to one*

NEUROSCIENCE EMPHASIS

Highly recommended to complete the entire series

If the entire sequence is not completed prior to transfer, students must consult an advisor prior to enrollment

Complete entire sequence at same institution prior to transfer

BIS 002A - Introduction to Biology: Essentials of Life on Earth (5.00)



BIOL 6B - Cell and Molecular Biology (6.00)

BIS 002B - Introduction to Biology: Principles of Ecology & Evolution (5.00)



BIOL 6C - Ecology and Evolution (6.00)

--- Or ---

BIOL 6CH - Ecology and Evolution - HONORS (6.00)

BIS 002C - Introduction to Biology: Biodiversity & the Tree of Life (5.00)



BIOL 6A - Form and Function in the Biological World (6.00)

--- Or ---

BIOL 6AH - Form and Function in the Biological World - HONORS (6.00)

CGS 001 - Introduction to Cognitive Science (4.00)

Same-As: PHI 010



No Course Articulated

LIN 001 - Introduction to Linguistics (4.00)



LING 1 - Introduction to Linguistics (4.00)

--- Or ---

LIN 001Y - Introduction to Linguistics (4.00)



No Course Articulated

Select 1 Series from the following

Highly recommended to complete the entire series

If the entire sequence is not completed prior to transfer, students must consult an advisor prior to enrollment

Complete entire sequence at same institution prior to transfer

MAT 017A - Calculus for Biology & Medicine (4.00)	←	No Course Articulated
MAT 017B - Calculus for Biology & Medicine (4.00)	←	No Course Articulated
MAT 017C - Calculus for Biology & Medicine (4.00)	←	No Course Articulated

--- Or ---

MAT 021A - Calculus (4.00)	←	MATH 1A - Calculus (5.00) <ul style="list-style-type: none"> <i>Credit for articulated courses in one series only</i>
		--- Or ---
		MATH 1AH - Calculus - HONORS (5.00) <ul style="list-style-type: none"> <i>Credit for articulated courses in one series only</i>
MAT 021B - Calculus (4.00)	←	MATH 1B - Calculus (5.00) <ul style="list-style-type: none"> <i>Credit for articulated courses in one series only</i>
		--- Or ---
		MATH 1BH - Calculus - HONORS (5.00) <ul style="list-style-type: none"> <i>Credit for articulated courses in one series only</i>
MAT 021C - Calculus (4.00)	←	MATH 1C - Calculus (5.00) <ul style="list-style-type: none"> <i>Credit for articulated courses in one series only</i>
		--- Or ---
		MATH 1CH - Calculus - HONORS (5.00) <ul style="list-style-type: none"> <i>Credit for articulated courses in one series only</i>

PHI 013G - Minds, Brains, & Computers with Discussion (4.00)	←	No Course Articulated
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Select 1 Series from the following

Highly recommended to complete the entire series

If the entire sequence is not completed prior to transfer, students must consult an advisor prior to enrollment

Complete entire sequence at same institution prior to transfer

PHY 007A - General Physics (4.00)	←	PHYS 2B - General Introductory Physics (5.00)
		--- And ---
		PHYS 2C - General Introductory Physics (5.00) <ul style="list-style-type: none"> <i>Complete entire sequence at same institution prior to transfer</i>
PHY 007B - General Physics (4.00)	←	PHYS 2B - General Introductory Physics (5.00)
		--- And ---
		PHYS 2C - General Introductory Physics (5.00) <ul style="list-style-type: none"> <i>Complete entire sequence at same institution prior to transfer</i>
PHY 007C - General Physics (4.00)	←	PHYS 2B - General Introductory Physics (5.00)
		--- And ---
		PHYS 2C - General Introductory Physics (5.00) <ul style="list-style-type: none"> <i>Complete entire sequence at same institution prior to transfer</i>

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PHY 009A - Classical Physics (5.00)	←	PHYS 4A - Physics for Scientists and Engineers: Mechanics (6.00)
PHY 009B - Classical Physics (5.00)	←	PHYS 4C - Physics for Scientists and Engineers: Fluids, Waves, Optics and Thermodynamics (6.00)
PHY 009C - Classical Physics (5.00)	←	PHYS 4B - Physics for Scientists and Engineers: Electricity and Magnetism (6.00)

PSC 001 - General Psychology (4.00)	← PSYC 1 - General Psychology (4.00)
--- Or ---	
PSC 001Y - General Psychology (4.00)	← This Course is Never Articulated

PSC 041 - Research Methods in Psychology (4.00)	← PSYC 2 - Research Methods in Psychology (6.00)
	--- Or ---
	PSYC 15 - Statistics and Research Methods in Social Science (4.00) Same-As: SOC 15
	<ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one
	--- Or ---
	SOC 15 - Statistics and Research Methods in Social Science (4.00) Same-As: PSYC 15
	<ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one

STA 013 - Elementary Statistics (4.00)	← MATH 10 - Introductory Statistics (5.00)
	<ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one
	--- Or ---
	MATH 10H - Introductory Statistics - HONORS (5.00)
	<ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one
	--- Or ---
	MATH 17 - Integrated Statistics 2 (5.00)
	<ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one
	--- Or ---
	PSYC 15 - Statistics and Research Methods in Social Science (4.00) Same-As: SOC 15
	<ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one
	--- Or ---
	SOC 15 - Statistics and Research Methods in Social Science (4.00) Same-As: PSYC 15
	<ul style="list-style-type: none"> Course is articulated in more than one agreement but credit can only apply to one

END OF AGREEMENT