Articulation Agreement by Major

Effective during the 2018-2019 Academic Year

To: University of California, Merced General Catalog, Semester From: El Camino College General Catalog, Semester

BIOLOGICAL SCIENCES, B.S.

THE SCHOOL OF NATURAL SCIENCES

Biological Sciences, B.S. offers five emphasis tracks: Molecular and Cell Biology, Ecology and Evolutionary Biology, Human Biology, Developmental Biology, and Microbiology and Immunology. Transfer applicants must choose an emphasis in this major.

REQUIREMENTS FOR ADMISSION

For admission to the Biological Sciences major, students must earn a minimum overall GPA of 2.8 or better, and <u>must</u> complete classes articulated with the following UC Merced courses prior to admission:

- o BIO 1 & 1L (with B or better grades in each course),
- CHEM 2, CHEM 10, CHEM 8 & 8L, CHEM 100
- MATH 11 OR MATH 21, MATH 12 OR MATH 22

Transfer students seeking fall admission should have the following completed by the spring term preceding fall enrollment at UC Merced:

- 1. All minimum admissions requirements including appropriate courses in math and the equivalent of WRI 1 and WRI 10 (see articulation by department on ASSIST.org).
- 2. At least one social science, Humanities or Arts course listed in the general education information for the School of Natural Sciences. Two courses (one from each area) is <u>strongly</u> recommended.
- 3. All major preparation requirements as stated above.

ADVANCED PLACEMENT INFORMATION

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

AP and IB examination credit policies are detailed in the 2017-18 UC Merced general catalog viewable online at:

http://catalog.ucmerced.edu/content.php?catoid=7&navoid=647#AP_IB

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ALERT It is strongly recommended that you obtain a full transcript of your academic records from each of the colleges and universities you have attended before you start your UC application. Applicants must report ALL grades in ALL courses--transferable and not transferable--from all institutions attended. Applicants are solely responsible for the integrity of their self-reported academic record in the UC application.

Applicants are encouraged to clear any No Pass, D, or F letter grade received in UC Transfer course. Applicants are most competitive in the Admissions Process with fewer withdrawls and/or repeated course work in major preparation.

All course work must be completed with a 'C' or better.

Following these guidelines will assist you to be more competitive for admission to your UC Merced major.

If you have any questions abour UC Merced admissions policy, please email: admissions@ucmerced.edu

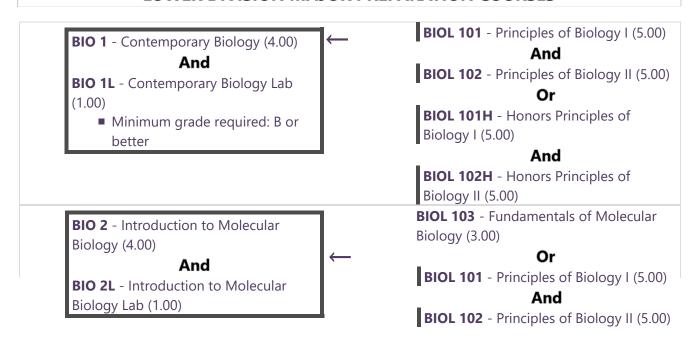
Completion of IGETC is not recommended but is accepted for this major.

All course work must be completed with a letter grade of "C" or better.

For the most up-to-date information about transferring to UC Merced, please visit admissions.ucmerced.edu/transfer_requirements.

Information about applying for a Transfer Admission Guarantee is available at admissions.ucmerced.edu/tag.

LOWER DIVISION MAJOR PREPARATION COURSES



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CHEM 2 - General Chemistry I (4.00)	\leftarrow	CHEM 1A - General Chemistry I (5.00
CHEM 10 - General Chemistry II (4.00)	←	CHEM 1B - General Chemistry II (5.00
CHEM 8 - Principles of Organic Chemistry (3.00) And CHEM 8L - Principles of Organic Chemistry Lab (1.00)	←	CHEM 7A - Organic Chemistry I (5.00
CHEM 100 - Organic Synthesis and Mechanism (3.00) And	\	CHEM 7B - Organic Chemistry II (5.00

MATH 11 - Calculus I (4.00)	\leftarrow	MATH 165 - Calculus for Business and Social Sciences (5.00)
	Or	
MATH 21 - Calculus I for Physical Sciences & Engineering (4.00)	←	MATH 190 - Single Variable Calculus and Analytic Geometry I (5.00)
MATH 12 - Calculus II (4.00)	←	MATH 161 - Calculus for the Biological, Management and Social Sciences II (3.00)
	Or	
MATH 22 - Calculus II for Physical Sciences & Engineering (4.00)	←	MATH 191 - Single Variable Calculus and Analytic Geometry II (5.00)

CSE 5 - Introduction to Computer Applications (4.00) CSE 20 - Introduction to Computing I (2.00) COMP SCI 1 - Problem Solving and Program Design Using C++ (4.00) Or COMP SCI 3 - Computer Information Systems (3.00) COMP SCI 1 - Problem Solving and Program Design Using C++ (4.00) Or COMP SCI 3 - Computer Programming in Java (4.00) No Course Articulated

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CHOOSE ON	CHOOSE ONE OF THE FOLLOWING:				
ENVE 105 - Environmental Data Analysi (3.00)	s ←	No Course Articulated			
MATH 18 - Statistics for Scientific Data Analysis (4.00)	\leftarrow	MATH 150 - Elementary Statistics with Probability (4.00)			
MATH 32 - Probability and Statistics (4.00) ■ Course recommended to be take at university	←	No Course Articulated			
PSY 10 - Analysis of Psychological Data (4.00)	←	MATH 150 - Elementary Statistics with Probability (4.00) Or			
		PSYCH 9A - Introduction to Elementar Statistical Methods for the Study of Behavior (4.00) Same-As: SOC 109			
PHYS 8 - Introductory Physics I for Physical Sciences (4.00)	←	PHYS 1A - Mechanics of Solids (4.00)			
		PHYS 1B - Fluids, Heat and Sound (3.00)			
PHYS 18 - Introductory Physics 1 for Biological Sciences (4.00)	Or ←	PHYS 3A - General Physics with Calcu (5.00)			
PHYS 9 - Introductory Physics II for Physical Sciences (4.00)	←	PHYS 1B - Fluids, Heat and Sound (3.00) And			
	0	PHYS 1C - Electricity and Magnetism (4.00)			
PHYS 19 - Introductory Physics II for	Or_ ←	PHYS 3B - General Physics with Calcul			
Biological Sciences (4.00)		(5.00)			

END OF AGREEMENT

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