# Articulation Agreement by Major

**Effective during the 2018-2019 Academic Year** 

To: University of California, Merced General Catalog, Semester From: San Diego City 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

1 of 5 8/26/2018, 6:59 PM

\*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

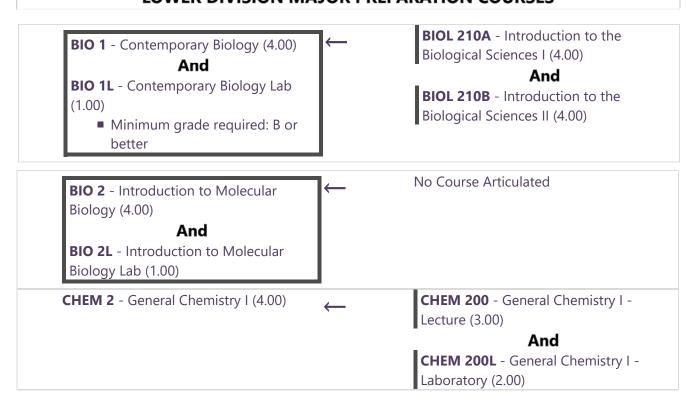
Completion of IGETC is not recommended but is accepted for this major.

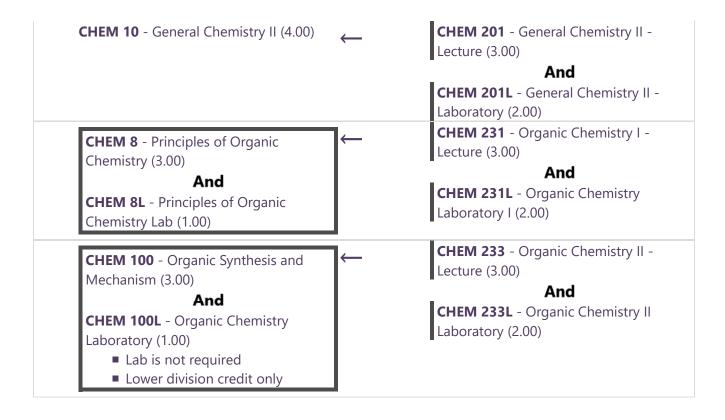
All course work must be completed with a letter grade of "C" or better.

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**





<b>MATH 11</b> - Calculus I (4.00)	<b>←</b>	No Course Articulated
	Or	
MATH 21 - Calculus I for Physical Sciences & Engineering (4.00)	<del>←</del>	MATH 150 - Calculus with Analytic Geometry I (5.00)
MATH 12 - Calculus II (4.00)	<b>←</b>	MATH 122 - Basic Techniques of Calculus II (3.00)
MATH 22 - Calculus II for Physical Sciences & Engineering (4.00)	Or ←	MATH 151 - Calculus with Analytic Geometry II (4.00)

# **CHOOSE ONE OF THE FOLLOWING:**

<b>CSE 5</b> - Introduction to Computer Applications (4.00)	$\leftarrow$	<b>CISC 181</b> - Principles of Information Systems (4.00)
CSE 20 - Introduction to Computing I (2.00)	<b>←</b>	CISC 190 - JAVA Programming (4.00)
	,	Or
		<b>CISC 192</b> - C/C++ Programming (4.00)
		Or
		MATH 107 - Introduction to Scientific
		Programming (3.00)
MATH 15 - Introduction to Scientific Data  Analysis (2.00)		No Course Articulated

And

PHYS 196 - Electricity and Magnetism

PHYS 180B - General Physics II (4.00)

PHYS 181B - General Physics

And

PHYS 181A - General Physics

Laboratory - I (1.00)

Laboratory - II (1.00)

(5.00)

CHOOSE ONE OF THE FOLLOWING:			
<b>ENVE 105</b> - Environmental Data Analysis (3.00)	<b>←</b>	No Course Articulated	
<b>MATH 18</b> - Statistics for Scientific Data Analysis (4.00)	<b>←</b>	MATH 119 - Elementary Statistics (3.0	
MATH 32 - Probability and Statistics (4.00)  ■ Course recommended to be taken at university	←	No Course Articulated	
<b>PSY 10</b> - Analysis of Psychological Data (4.00)	$\leftarrow$	PSYC 258 - Behavioral Science Statistic (3.00)  Or	
		MATH 119 - Elementary Statistics (3.0	
<b>PHYS 8</b> - Introductory Physics I for Physical Sciences (4.00)	← Or	<b>PHYS 195</b> - Mechanics (5.00)	
PHYS 18 - Introductory Physics 1 for	— UI	PHYS 180A - General Physics I (4.00)	

Biological Sciences (4.00)

Physical Sciences (4.00)

Biological Sciences (4.00)

**PHYS 9** - Introductory Physics II for

PHYS 19 - Introductory Physics II for

# **END OF AGREEMENT**

Or

4 of 5