# Articulation Agreement by Major

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

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

### **CHEMICAL SCIENCES, B.S.**

#### THE SCHOOL OF NATURAL SCIENCES

\*\*Chemical Sciences, B.S. offers emphases in Chemistry, Biological Chemistry, Materials Chemistry and Environmental Chemistry. Transfer applicants must choose an emphasis in this major.\*\*

## REQUIREMENTS FOR ADMISSION

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

- CHEM 2 & CHEM 10
- MATH 21 & MATH 22
- o PHYS 8 & PHYS 9

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

\*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.

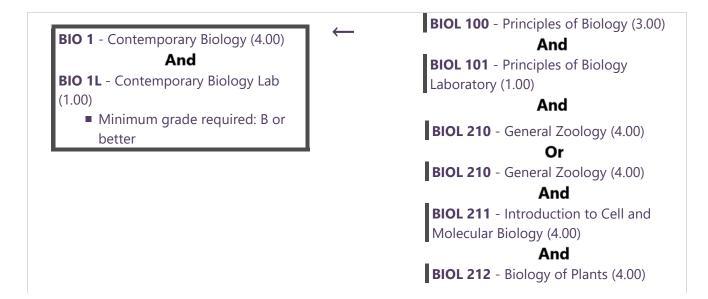
All course work must be completed with a letter grade of "C" or better.

For the most up-to-date information about transferring to UC Merced, please visit <u>admissions.ucmerced.edu/transfer\_requirements.</u>
Information about applying for a Transfer Admission Guarantee is available at <u>admissions.ucmerced.edu/tag.</u>

#### ADDITIONAL LOWER DIVISION INFORMATION

BIO 1L is recommended, but not required. CHEM 100L credit may be earned, but is not required.

#### LOWER DIVISION MAJOR PREPARATION COURSES



		https://prod.assisting.org/Adminicepor
CHEM 2 - General Chemistry I (4.00)	$\leftarrow$	CHEM 200 - General Chemistry I (5.00
CHEM 10 - General Chemistry II (4.00)	<b>←</b>	CHEM 210 - General Chemistry II (5.00
CHEM 8 - Principles of Organic Chemistry (3.00)  And  CHEM 8L - Principles of Organic Chemistry Lab (1.00)	<b>←</b>	CHEM 240 - Organic Chemistry I (5.00
CHEM 100 - Organic Synthesis and Mechanism (3.00)  And CHEM 100L - Organic Chemistry Laboratory (1.00)  Lower division credit only	<b>←</b>	CHEM 242 - Organic Chemistry II (5.0
MATH 21 - Calculus I for Physical Sciences & Engineering (4.00)	<b>←</b>	MATH 250 - Analytic Geometry and Calculus I (5.00)
MATH 22 - Calculus II for Physical Sciences & Engineering (4.00)	<b>←</b>	MATH 251 - Analytic Geometry and Calculus II (4.00)
MATH 23 - Vector Calculus (4.00)	<b>←</b>	MATH 252 - Analytic Geometry and Calculus III (4.00)
MATH 24 - Introduction to Linear Algebra and Differential Equations (4.00)	<b>←</b>	MATH 253 - Introduction to Different Equations (3.00)
		MATH 254 - Introduction to Linear Algebra (3.00)
MATH 32 - Probability and Statistics (4.00)  ■ Course recommended to be taken at university	<b>←</b>	No Course Articulated
PHYS 8 - Introductory Physics I for Physical Sciences (4.00)	<b>←</b>	PHYS 270 - Principles of Physics I (3. And PHYS 271 - Principles of Physics
<b>PHYS 9</b> - Introductory Physics II for Physical Sciences (4.00)	<del></del>	Laboratory I (1.00)  PHYS 272 - Principles of Physics II (3.0)

# **COMPLETE ONE OF THE FOLLOWING**

<b>CSE 5</b> - Introduction to Computer Applications (4.00)	<b>—</b>	<b>CIS 101</b> - Introduction to Business Information Systems (4.00)
<b>CSE 20</b> - Introduction to Computing I (2.00)	<b>←</b>	CIS 115 - Introduction to Programming Using C++ (4.00)  Or
		<b>MATH 130</b> - Introduction to Computer Programming (3.00)
<b>MATH 15</b> - Introduction to Scientific Dat Analysis (2.00)	a←	No Course Articulated