# Articulation Agreement by Major

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

To: University of California, Merced General Catalog, Semester From: Chabot 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
- o 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.

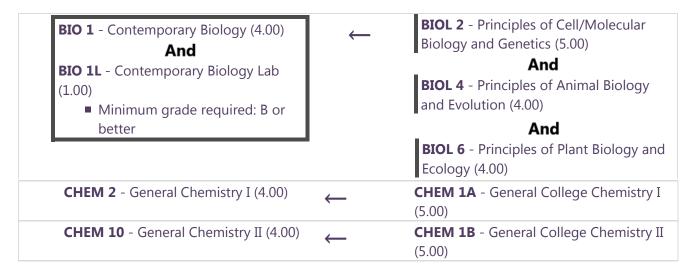
All course work must be completed with a letter grade of "C" or better.

For the most up-to-date information about transferring to UC Merced, please <u>visit 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**



CHEM 8 - Principles of Organic Chemistry (3.00)  And  CHEM 8L - Principles of Organic Chemistry Lab (1.00)	<b>←</b>	CHEM 12A - Organic Chemistry I (5.0
CHEM 100 - Organic Synthesis and Mechanism (3.00)  And CHEM 100L - Organic Chemistry Laboratory (1.00)  Lower division credit only	<b>←</b>	CHEM 12B - Organic Chemistry II (5.0
MATH 21 - Calculus I for Physical Sciences & Engineering (4.00)	<b>←</b>	MTH 1 - Calculus I (5.00)  Or  MTH 15 - Applied Calculus I (3.00)
MATH 22 - Calculus II for Physical Sciences & Engineering (4.00)	<b>←</b>	MTH 2 - Calculus II (5.00)  Or  MTH 16 - Applied Calculus II (3.00)
MATH 23 - Vector Calculus (4.00)	<b>←</b>	MTH 3 - Multivariable Calculus (5.00)
<b>MATH 24</b> - Introduction to Linear Algebra and Differential Equations (4.00)	<b>←</b>	MTH 4 - Elementary Differential Equations (3.00)  And  MTH 6 - Elementary Linear Algebra
		(3.00)
<ul> <li>MATH 32 - Probability and Statistics</li> <li>(4.00)</li> <li>Course recommended to be taken at university</li> </ul>	<b>←</b>	No Course Articulated
<b>PHYS 8</b> - Introductory Physics I for Physical Sciences (4.00)	$\leftarrow$	PHYS 4A - General Physics I (5.00)
<b>PHYS 9</b> - Introductory Physics II for Physical Sciences (4.00)	$\leftarrow$	PHYS 4B - General Physics II (5.00)

# **COMPLETE ONE OF THE FOLLOWING**

<b>CSE 5</b> - Introduction to Computer Applications (4.00)	<b>←</b>	CSCI 8 - Computer Literacy (3.00)
CSE 20 - Introduction to Computing I (2.00)	$\leftarrow$	CSCI 7 - Introduction to Computer Programming Concepts (3.00)  Or  CSCI 14 - Introduction to Structured Programming in C++ (4.00)
MATH 15 - Introduction to Scientific Date Analysis (2.00)	ta <del>(    </del>	No Course Articulated

# **END OF AGREEMENT**