# Articulation Agreement by Major

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

To: University of California, Merced General Catalog, Semester From: Crafton Hills 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

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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.

#### 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**

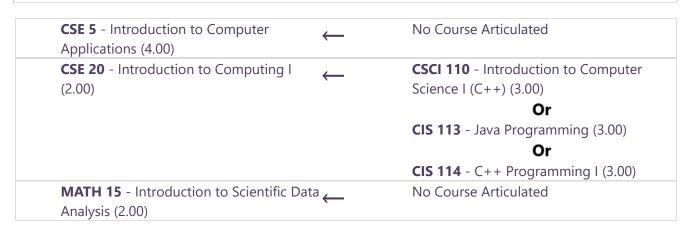
**BIOL 130** - Cell and Molecular Biology **BIO 1** - Contemporary Biology (4.00) (4.00)And Or **BIO 1L** - Contemporary Biology Lab **BIOL 130H** - Cell and Molecular Biology (1.00)- Honors (4.00) Minimum grade required: B or And better **BIOL 131** - Populations and Organisms (4.00)Or **BIOL 131H** - Populations and Organisms - Honors (4.00)

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CHEM 2 - General Chemistry I (4.00)	←	CHEM 150 - General Chemistry I (5.00) Or
		<b>CHEM 150H</b> - General Chemistry I - Honors (5.00)
CHEM 10 - General Chemistry II (4.00)	<b>←</b>	CHEM 151 - General Chemistry II (5.00) Or
		<b>CHEM 151H</b> - General Chemistry II - Honors (5.00)
CHEM 8 - Principles of Organic Chemistry (3.00)	<b>←</b>	CHEM 212 - Organic Chemistry I (4.00)
CHEM 8L - Principles of Organic Chemistry Lab (1.00)		
CHEM 100 - Organic Synthesis and Mechanism (3.00)  And	<b>←</b>	CHEM 213 - Organic Chemistry II (4.00)
CHEM 100L - Organic Chemistry Laboratory (1.00) ■ Lower division credit only		
MATH 21 - Calculus I for Physical Sciences & Engineering (4.00)	<b>←</b>	MATH 250 - Single Variable Calculus I (4.00)
MATH 22 - Calculus II for Physical Sciences & Engineering (4.00)	<b>←</b>	MATH 251 - Single Variable Calculus II (4.00)
MATH 23 - Vector Calculus (4.00)	$\leftarrow$	MATH 252 - Multivariable Calculus (5.00)
MATH 24 - Introduction to Linear Algebra and Differential Equations (4.00)	<b>←</b>	MATH 265 - Linear Algebra (4.00) And
		MATH 266 - Introduction to Ordinary Differential Equations (4.00)
MATH 32 - Probability and Statistics (4.00) ■ Course recommended to be taken at university	$\leftarrow$	No Course Articulated
PHYS 8 - Introductory Physics I for Physical Sciences (4.00)	<b>←</b>	PHYSIC 200 - Physics (6.00)  Or  PHYSIC 250 - College Physics I (4.00)
PHYS 9 - Introductory Physics II for Physical Sciences (4.00)	←	PHYSIC 201 - Physics (6.00)  Or
		PHYSIC 251 - College Physics II (4.00)

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## **COMPLETE ONE OF THE FOLLOWING**



## **END OF AGREEMENT**

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