# **Articulation Agreement by Major**

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

To: University of California, Merced General Catalog, Semester From: Contra Costa 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:

- 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).
  - At least one social science, Humanities or Arts course listed in the general education information
- 2. for the School of Natural Sciences. Two courses (one from each area) is strongly recommended.
- 3. All major preparation requirements as stated above.

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#### 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: <a href="http://catalog.ucmerced.edu/content.php?catoid=7&navoid=647#AP\_IB">http://catalog.ucmerced.edu/content.php?catoid=7&navoid=647#AP\_IB</a>

\*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 cours 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

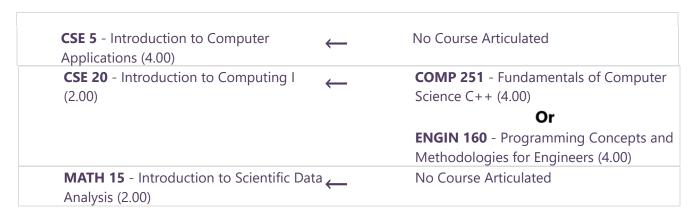
BIO 1L is recommended, but not required. CHEM 100L credit may be earned, but is not required.

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LOWER DIVISION MAJOR PREPARATION COURSES		
BIO 1 - Contemporary Biology (4.00)  And  BIO 1L - Contemporary Biology Lab (1.00)  Minimum grade required: B or better	<b>←</b>	BIOSC 140 - Principles of Biology (4.0  And  BIOSC 141 - Principles of Biology (4.0  Or  BIOSC 145 - Organismal Biology (4.0  And  BIOSC 147 - Cell and Molecular Biology (4.00)
CHEM 2 - General Chemistry I (4.00)	<b>←</b>	<b>CHEM 120</b> - General College Chemist (5.00)
CHEM 10 - General Chemistry II (4.00)	<b>←</b>	CHEM 121 - General College Chemist
CHEM 8 - Principles of Organic Chemistry (3.00)  And  CHEM 8L - Principles of Organic Chemistry Lab (1.00)	<b>←</b>	(5.00)  CHEM 226 - 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 227 - Organic Chemistry II (5.0
MATH 21 - Calculus I for Physical Sciences & Engineering (4.00)	$\leftarrow$	<b>MATH 190</b> - Analytic Geometry and Calculus I (5.00)
MATH 22 - Calculus II for Physical	<b>←</b>	MATH 191 - Analytic Geometry and
Sciences & Engineering (4.00)	•	Calculus II (4.00)
MATH 23 - Vector Calculus (4.00)	$\leftarrow$	<b>MATH 290</b> - Analytic Geometry and Calculus III (5.00)
<b>MATH 24</b> - Introduction to Linear Algebra and Differential Equations (4.00)	<b>←</b>	MATH 200 - Introduction to Linear Algebra (4.00)  And  MATH 292 - Introduction to Differer Equations (4.00)
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 130 - General Physics I (4.00)
<b>PHYS 9</b> - Introductory Physics II for Physical Sciences (4.00)	<b>←</b>	PHYS 230 - General Physics II (4.00)

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# **COMPLETE ONE OF THE FOLLOWING**



## **END OF AGREEMENT**

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