# Articulation Agreement by Major

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

To: University of California, Merced General Catalog, Semester From: Grossmont 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

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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 withdrawals 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.

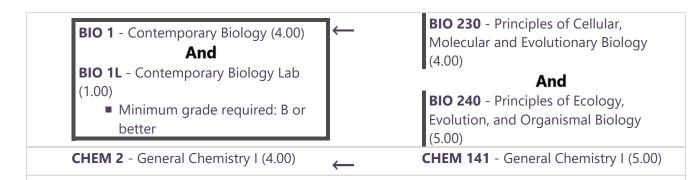
All course work must be completed with a letter grade of "C" or better.

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**



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CHEM 10 - General Chemistry II (4.00)	$\leftarrow$	CHEM 142 - 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 231 - 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 232 - Organic Chemistry II (5.00)
<b>MATH 21</b> - Calculus I for Physical Sciences & Engineering (4.00)	<b>←</b>	<b>MATH 180</b> - Analytic Geometry and Calculus I (5.00)
<b>MATH 22</b> - Calculus II for Physical Sciences & Engineering (4.00)	<b>←</b>	<b>MATH 280</b> - Analytic Geometry and Calculus II (4.00)
MATH 23 - Vector Calculus (4.00)	$\leftarrow$	MATH 281 - Mulitvariable Calculus (4.0
<b>MATH 24</b> - Introduction to Linear Algebra and Differential Equations (4.00)	<b>←</b>	MATH 284 - Linear Algebra (3.00)  And  MATH 285 - Differential Equations (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>	PHYC 140 - Mechanics of Solids (4.00)
<b>PHYS 9</b> - Introductory Physics II for Physical Sciences (4.00)	$\leftarrow$	<b>PHYC 240</b> - Electricity, Magnetism and Heat (4.00)

## **COMPLETE ONE OF THE FOLLOWING**

<b>CSE 5</b> - Introduction to Computer Applications (4.00)	$\leftarrow$	No Course Articulated
<b>CSE 20</b> - Introduction to Computing I (2.00)	<b>←</b>	CSIS 293 - Introduction to Java Programming (4.00)  Or  CSIS 296 - Introduction to C++ Programming (4.00)
<b>MATH 15</b> - Introduction to Scientific Da Analysis (2.00)	ita ←	No Course Articulated

# **END OF AGREEMENT**

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