# Articulation Agreement by Major

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

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

#### **EARTH SYSTEMS SCIENCE, B.S.**

#### **REQUIREMENTS FOR ADMISSION**

For admission to the Earth Systems Science, B.S. major, students must earn a minimum overall GPA of 2.8 or better, and <u>must</u> complete classes articulated with the following UC Merced courses prior to admission:

- O CHEM 2 and CHEM 10
- MATH 11 or MATH 21
- O PHYS 8 or PHYS 18

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 <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 REQUIREMENTS

In addition to the courses listed below, choose two aditional UC transferable courses in Natural Sciences or Engineering (not geology).

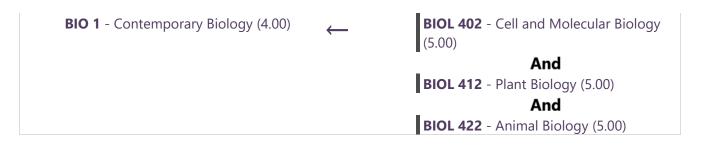
#### **LOWER DIVISION MAJOR PREPARATION COURSES**

CHEM 2 - General Chemistry I (4.00)	$\leftarrow$	CHEM 400 - General Chemistry I (5.00)
CHEM 10 - General Chemistry II (4.00)	$\leftarrow$	CHEM 401 - General Chemistry II (5.00)

#### **COMPLETE ONE OF THE FOLLOWING**

<b>ESS 1</b> - Introduction to Earth Systems Science (4.00)	<b>←</b>	No Course Articulated
ESS 2 - Sustainability Science (4.00)	$\leftarrow$	No Course Articulated

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# COMPLETE ONE OF THE FOLLOWING

CSE 5 - Introduction to Computer Applications (4.00)	No Course Articulated
CSE 20 - Introduction to Computing I ← (2.00)	<b>CISP 360</b> - Introduction to Structured Programming (4.00)
MATH 15 - Introduction to Scientific Data ← Analysis (2.00)	No Course Articulated

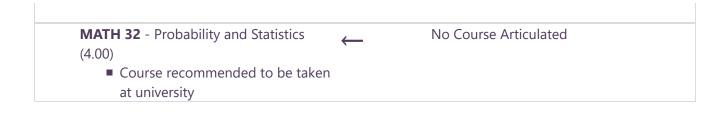
## **COMPLETE CALCULUS I AND II**

MATH 11 - Calculus I (4.00)	$\leftarrow$	MATH 350 - Calculus for the Life and Social Sciences I (3.00)
	Or	
<b>MATH 21</b> - Calculus I for Physical Sciences & Engineering (4.00)	$\leftarrow$	<b>MATH 400</b> - Calculus I (5.00)
	And	
<b>MATH 12</b> - Calculus II (4.00)	$\leftarrow$	<b>MATH 351</b> - Calculus for the Life and Social Sciences II (3.00)
	Or	
MATH 22 - Calculus II for Physical Sciences & Engineering (4.00)	<b>←</b>	<b>MATH 401</b> - Calculus II (5.00)

# **COMPLETE ONE OF THE FOLLOWING**

ECON 10 - Statistical Inference (4.00)	<b>←</b>	<b>STAT 300</b> - Introduction to Probability and Statistics (4.00)
<b>PSY 10</b> - Analysis of Psychological Data (4.00)	$\leftarrow$	<b>STAT 300</b> - Introduction to Probability and Statistics (4.00)
		Or
		<b>STAT 480</b> - Introduction to Probability and Statistics - Honors (4.00)
<b>MATH 18</b> - Statistics for Scientific Data Analysis (4.00)	$\leftarrow$	<b>STAT 300</b> - Introduction to Probability and Statistics (4.00)
		Or
		STAT 480 - Introduction to Probability
		and Statistics - Honors (4.00)

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COMPLETE ONE OF THE FOLLOWING		
ESS 10 - Earth Resources (4.00)	<b>←</b>	No Course Articulated
ESS 20 - Fundamentals of Geology (4.00)	$\leftarrow$	No Course Articulated
<b>BIO 47</b> - Astrobiology (4.00) Same-As: ESS 47	<b>←</b>	No Course Articulated
ESS 50 - Ecosystems of California (4.00)	<del></del>	No Course Articulated
<b>BIO 65</b> - Natural History of Dinosaurs (4.00) Same-As: ESS 65	←	No Course Articulated

COMPLETE INTRO	DUCTOR	Y PHYSICS I AND II
<b>PHYS 8</b> - Introductory Physics I for Physical Sciences (4.00)	<b>←</b>	<b>PHYS 410</b> - Mechanics of Solids and Fluids (5.00)
	Or	
<b>PHYS 18</b> - Introductory Physics 1 for Biological Sciences (4.00)	$\leftarrow$	No Course Articulated
	And	
<b>PHYS 9</b> - Introductory Physics II for Physical Sciences (4.00)	$\leftarrow$	<b>PHYS 420</b> - Electricity and Magnetism (5.00)
	Or	
<b>PHYS 19</b> - Introductory Physics II for Biological Sciences (4.00)	<b>←</b>	No Course Articulated

## **END OF AGREEMENT**

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