Articulation Agreement by Major

Effective during the 2018-2019 Academic Year

To: University of California, Merced General Catalog, Semester From: San Jose 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:

- 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- 1A - General Chemistry (5.00)
CHEM 10 - General Chemistry II (4.00)	\leftarrow	CHEM- 1B - General Chemistry (5.00)

COMPLETE ONE OF THE FOLLOWING

ESS 1 - Introduction to Earth Systems Science (4.00)	\leftarrow	No Course Articulated
ESS 2 - Sustainability Science (4.00)	\leftarrow	No Course Articulated

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Analysis (2.00)

BIO 1 - Contemporary Biology (4.00)

BIOL- 4A - General Principles and Cell Biology (5.00)

And

BIOL- 4B - Organismal Biology and Biodiversity (5.00)

COMPLETE ONE OF THE FOLLOWING		
CSE 5 - Introduction to Computer Applications (4.00)	←	No Course Articulated
CSE 20 - Introduction to Computing I (2.00)	←	CIS- 54 - C/C++ Programming (3.00) Or CIS- 84 - Java Programming (3.00)
MATH 15 - Introduction to Scientific Da	ıta ←	No Course Articulated

MATH 11 - Calculus I (4.00)	—	MATH- 71 - Calculus I with Analytic
	•	Geometry (5.00)
	Or	
MATH 21 - Calculus I for Physical	←	MATH- 71 - Calculus I with Analytic
Sciences & Engineering (4.00)	•	Geometry (5.00)
	And	
MATH 12 - Calculus II (4.00)		No Course Articulated
	Or	
MATH 22 - Calculus II for Physical		MATH- 72 - Calculus II with Analytic
Sciences & Engineering (4.00)	•	Geometry (5.00)

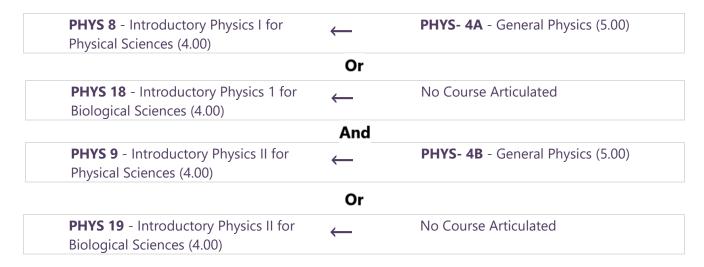
COMPLETE CALCULUS I AND II

COMPLETE ONE OF THE FOLLOWING			
ECON 10 - Statistical Inference (4.00)	←	MATH- 63 - Elementary Statistics (3.00)	
PSY 10 - Analysis of Psychological Data (4.00)	←	MATH- 63 - Elementary Statistics (3.00)	
MATH 18 - Statistics for Scientific Data Analysis (4.00)	\leftarrow	MATH- 63 - Elementary Statistics (3.00)	
MATH 32 - Probability and Statistics (4.00)	\leftarrow	No Course Articulated	
Course recommended to be taken at university			

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

COMPLETE INTRODUCTORY PHYSICS I AND II



END OF AGREEMENT

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