Articulation Agreement by Major

Effective during the 2018-2019 Academic Year

To: University of California, Merced General Catalog, Semester From: Pasadena 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
- 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

1 of 4 7/24/2018, 1:48 PM

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 coursework 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 and Chemical Analysis (5.00)
CHEM 10 - General Chemistry II (4.00)	\leftarrow	CHEM 1B - General Chemistry and Chemical Analysis (5.00)

COMPLETE ONE OF THE FOLLOWING

ESS 1 - Introduction to Earth Systems Science (4.00)	←	No Course Articulated	

2 of 4 7/24/2018, 1:48 PM

ESS 2 - Sustainability Science (4.00)	\leftarrow	No Course Articulated
BIO 1 - Contemporary Biology (4.00)	←	BIOL 10A - Cellular Biology, Genetics & Evolution (5.00)
		And
		BIOL 10B - Diversity of Life on Earth:
		Structure, Function and Ecology (5.00)
		And
		BIOL 10C - Genetics (3.00)

COMPLETE ONE OF THE FOLLOWING

CSE 5 - Introduction to Computer Applications (4.00)	No Course Articulated
CSE 20 - Introduction to Computing I (2.00)	CS 2 - Fundamentals of Computer Science I (4.00)
	Or
	CS 3C - Fundamentals of Computer
	Science II (Python) (4.00)
	Or
	CIS 14 - C++ Programming (3.00)
	Or
	CIS 16 - Java Programming (3.00)
MATH 15 - Introduction to Scientific Data Analysis (2.00)	No Course Articulated

COMPLETE CALCULUS I AND II

MATH 11 - Calculus I (4.00)	\leftarrow	No Course Articulated
	Or	
MATH 21 - Calculus I for Physical Sciences & Engineering (4.00)		MATH 005A - Single Variable Calculus I (5.00)
	And	
MATH 12 - Calculus II (4.00)	\leftarrow	No Course Articulated
	Or	
MATH 22 - Calculus II for Physical Sciences & Engineering (4.00)	←	MATH 005B - Single Variable Calculus II (5.00)

COMPLETE ONE OF THE FOLLOWING

ECON 10 - Statistical Inference (4.00)

STAT 18 - Statistics for Behavioral and Social Sciences (4.00)

Or

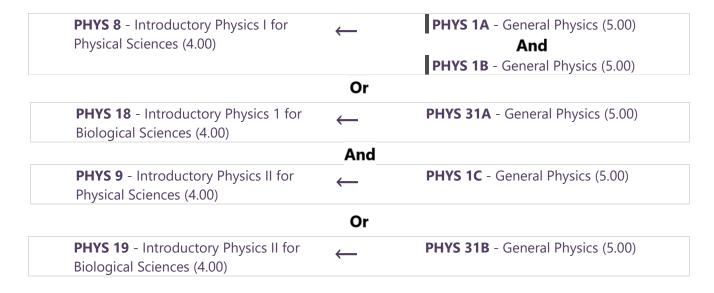
3 of 4 7/24/2018, 1:48 PM

		STAT 050 - Elementary Statistics (4.00)
PSY 10 - Analysis of Psychological Data	\leftarrow	STAT 050 - Elementary Statistics (4.00)
(4.00)		Or
		STAT 18 - Statistics for Behavioral and
		Social Sciences (4.00)
MATH 18 - Statistics for Scientific Data Analysis (4.00)	←	No Course Articulated
MATH 32 - Probability and Statistics (4.00)	←	No Course Articulated
Course recommended to be taken at university		

COMPLETE ONE OF THE FOLLOWING

ESS 10 - Earth Resources (4.00)	\leftarrow	No Course Articulated
ESS 20 - Fundamentals of Geology (4.00)	\leftarrow	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

4 of 4