

Articulation Agreement by Major

Effective during the 2018-2019 Academic Year

To: University of California, Merced
General Catalog, Semester

From: Foothill College
General Catalog, Quarter

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 must complete classes articulated with the following UC Merced courses prior to admission:

- 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 strongly 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

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 about 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 REQUIREMENTS

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

LOWER DIVISION MAJOR PREPARATION COURSES

CHEM 2 - General Chemistry I (4.00) ←	CHEM 1A - General Chemistry (5.00) And CHEM 1B - General Chemistry (5.00)
CHEM 10 - General Chemistry II (4.00) ←	CHEM 1B - General Chemistry (5.00) Or CHEM 1BH - Honors General Chemistry (5.00) And CHEM 1C - General Chemistry & Qualitative Analysis (5.00)

COMPLETE ONE OF THE FOLLOWING

ESS 1 - Introduction to Earth Systems Science (4.00) ←	No Course Articulated
ESS 2 - Sustainability Science (4.00) ←	No Course Articulated
BIO 1 - Contemporary Biology (4.00) ←	BIOL 1A - Principles of Cell Biology (6.00) And BIOL 1B - Form and Function in Plants and Animals (6.00) And BIOL 1C - Evolution, Systematics and Ecology (6.00)

COMPLETE ONE OF THE FOLLOWING

CSE 5 - Introduction to Computer Applications (4.00) ←	No Course Articulated
CSE 20 - Introduction to Computing I (2.00) ←	C S 1A - Object-Oriented Programming Methodologies in JAVA (4.50) Or C S 2A - Object-Oriented Programming Methodologies in C++ (4.50) Or C S 21A - Python for Programmers (4.50)
MATH 15 - Introduction to Scientific Data Analysis (2.00) ←	No Course Articulated

COMPLETE CALCULUS I AND II

MATH 11 - Calculus I (4.00)	←	No Course Articulated
	Or	
MATH 21 - Calculus I for Physical Sciences & Engineering (4.00)	←	MATH 1A - Calculus (5.00) Or MATH 1AH - Honors Calculus I (5.00)
	And	
MATH 12 - Calculus II (4.00)	←	No Course Articulated
	Or	
MATH 22 - Calculus II for Physical Sciences & Engineering (4.00)	←	MATH 1A - Calculus (5.00) And MATH 1B - Calculus (5.00)

COMPLETE ONE OF THE FOLLOWING

ECON 10 - Statistical Inference (4.00)	←	MATH 10 - Elementary Statistics (5.00)
PSY 10 - Analysis of Psychological Data (4.00)	←	MATH 10 - Elementary Statistics (5.00) Or PSYC 7 - Statistics for the Behavioral Sciences (5.00) Same-As: SOC 7 Or MATH 217 - Integrated Statistics I (5.00) And MATH 17 - Integrated Statistics II (5.00)
MATH 18 - Statistics for Scientific Data Analysis (4.00)	←	No Course Articulated
MATH 32 - Probability and Statistics (4.00) ■ Course recommended to be taken at university	←	No Course Articulated

COMPLETE ONE OF THE FOLLOWING

ESS 10 - Earth Resources (4.00)	←	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)	←	No Course Articulated
BIO 65 - Natural History of Dinosaurs (4.00) Same-As: ESS 65	←	No Course Articulated

COMPLETE INTRODUCTORY PHYSICS I AND II**PHYS 8** - Introductory Physics I for
Physical Sciences (4.00)**PHYS 4A** - General Physics: Calculus
(6.00)**Or****PHYS 18** - Introductory Physics 1 for
Biological Sciences (4.00)

No Course Articulated

And**PHYS 9** - Introductory Physics II for
Physical Sciences (4.00)**PHYS 4B** - General Physics: Calculus
(6.00)**And****PHYS 4C** - General Physics: Calculus
(6.00)**Or****PHYS 19** - Introductory Physics II for
Biological Sciences (4.00)

No Course Articulated

END OF AGREEMENT