Articulation Agreement by Major

Effective during the 2018-2019 Academic Year

To: University of California, Merced
General Catalog, Semester

From: Southwestern 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 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 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 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 aditional UC transferable courses in Natural Sciences or Engineering (not geology).

LOWER DIVISION MAJOR PREPARATION COURSES

CHEM 2 - General Chemistry I (4.00)	←	**CHEM 200** - General Chemistry I (5.00)
CHEM 10 - General Chemistry II (4.00)	←	**CHEM 210** - General Chemistry II (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 100** - Principles of Biology (3.00) **And** **BIOL 101** - Principles of Biology Laboratory (1.00) **And** **BIOL 210** - General Zoology (4.00) **Or** **BIOL 210** - General Zoology (4.00) **And** **BIOL 211** - Introduction to Cell and Molecular Biology (4.00) **And** **BIOL 212** - Biology of Plants (4.00)

COMPLETE ONE OF THE FOLLOWING

CSE 5 - Introduction to Computer Applications (4.00)	←	**CIS 101** - Introduction to Business Information Systems (4.00)
CSE 20 - Introduction to Computing I (2.00)	←	**CIS 115** - Introduction to Programming Using C++ (4.00) **Or** **MATH 130** - Introduction to Computer 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)	←	No Course Articulated
Or		
MATH 21 - Calculus I for Physical Sciences & Engineering (4.00)	←	**MATH 250** - Analytic Geometry and 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 251** - Analytic Geometry and Calculus II (4.00)

COMPLETE ONE OF THE FOLLOWING

ECON 10 - Statistical Inference (4.00)	←	**MATH 119** - Elementary Statistics (4.00)

PSY 10 - Analysis of Psychological Data (4.00)	←	**MATH 119** - Elementary Statistics (4.00) **Or** **PSYC 270** - Statistics for the Behavioral Sciences (3.00) Same-As: SOC 270 **Or** **SOC 270** - Statistics for the Behavioral Sciences (3.00) Same-As: PSYC 270
MATH 18 - Statistics for Scientific Data Analysis (4.00)	←	**MATH 119** - Elementary Statistics (4.00)
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 270** - Principles of Physics I (3.00) **And** **PHYS 271** - Principles of Physics Laboratory I (1.00)
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 272** - Principles of Physics II (3.00)
Or		
PHYS 19 - Introductory Physics II for Biological Sciences (4.00)	←	No Course Articulated

END OF AGREEMENT