

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 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 400 - General Chemistry I (5.00)
CHEM 10 - General Chemistry II (4.00)	←	CHEM 401 - 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 402** - Cell and Molecular Biology (5.00)**And****BIOL 412** - Plant Biology (5.00)**And****BIOL 422** - Animal Biology (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) ←**CISP 360** - 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) ←**MATH 350** - Calculus for the Life and Social Sciences I (3.00)**Or****MATH 21** - Calculus I for Physical Sciences & Engineering (4.00) ←**MATH 400** - Calculus I (5.00)**And****MATH 12** - Calculus II (4.00) ←**MATH 351** - Calculus for the Life and Social Sciences II (3.00)**Or****MATH 22** - Calculus II for Physical Sciences & Engineering (4.00) ←**MATH 401** - Calculus II (5.00)**COMPLETE ONE OF THE FOLLOWING****ECON 10** - Statistical Inference (4.00) ←**STAT 300** - Introduction to Probability and Statistics (4.00)**PSY 10** - Analysis of Psychological Data (4.00) ←**STAT 300** - Introduction to Probability and Statistics (4.00)**Or****STAT 480** - Introduction to Probability and Statistics - Honors (4.00)**MATH 18** - Statistics for Scientific Data Analysis (4.00) ←**STAT 300** - Introduction to Probability and Statistics (4.00)**Or****STAT 480** - Introduction to Probability and Statistics - Honors (4.00)

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)



No Course Articulated

ESS 20 - Fundamentals of Geology (4.00)



No Course Articulated

BIO 47 - Astrobiology (4.00)



No Course Articulated

Same-As: ESS 47

ESS 50 - Ecosystems of California (4.00)



No Course Articulated

BIO 65 - Natural History of Dinosaurs
(4.00)



No Course Articulated

Same-As: ESS 65

COMPLETE INTRODUCTORY PHYSICS I AND II

PHYS 8 - Introductory Physics I for
Physical Sciences (4.00)



PHYS 410 - Mechanics of Solids and
Fluids (5.00)

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 420 - Electricity and Magnetism
(5.00)

Or

PHYS 19 - Introductory Physics II for
Biological Sciences (4.00)



No Course Articulated

END OF AGREEMENT