Articulation Agreement by Major

Effective during the 2018-2019 Academic Year

To: University of California, Merced General Catalog, Semester From: Reedley 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).
 - At least one social science, Humanities or Arts course listed in the general education information
- 2. 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

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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 admissions.ucmerced.edu/transfer_requirements.

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 and 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 |

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| BIO 1 - Contemporary Biology (4.00) | \leftarrow | BIOL 11A - Biology for Science Majors I (5.00) |
|-------------------------------------|--------------|--|
| | | And |
| | | BIOL 11B - Biology for Science Majors II (5.00) |

COMPLETE ONE OF THE FOLLOWING

| CSE 5 - Introduction to Computer Applications (4.00) | \leftarrow | No Course Articulated |
|---|--------------|--|
| CSE 20 - Introduction to Computing I (2.00) | \leftarrow | CSCI 5 - Java Programming (3.00) Or |
| | | CSCI 40 - Programming Concepts and Methodology I (4.00) Or |
| | | ENGR 40 - Programming for Scientists and Engineers (4.00) |
| MATH 15 - Introduction to Scientific Da Analysis (2.00) | ta← | No Course Articulated |

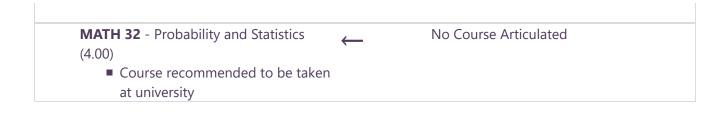
COMPLETE CALCULUS I AND II

| MATH 11 - Calculus I (4.00) | \leftarrow | No Course Articulated | |
|--|--------------|-----------------------------------|--|
| | Or | | |
| MATH 21 - Calculus I for Physical Sciences & Engineering (4.00) | \leftarrow | MATH 5A - Math Analysis 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 5B - Math Analysis II (4.00) | |

COMPLETE ONE OF THE FOLLOWING

| ECON 10 - Statistical Inference (4.00) | ← MATH 11 - Elementary Statistics (4.00) |
|---|---|
| PSY 10 - Analysis of Psychological Data (4.00) | MATH 11 - Elementary Statistics (4.00) Or STAT 7 - Elementary Statistics (4.00) |
| MATH 18 - Statistics for Scientific Data Analysis (4.00) | MATH 11 - Elementary Statistics (4.00) Or STAT 7 - Elementary Statistics (4.00) |

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| COMPLETE ONE OF THE FOLLOWING | | |
|--|--------------|-----------------------|
| ESS 10 - Earth Resources (4.00) | ← | No Course Articulated |
| ESS 20 - Fundamentals of Geology (4.00) | \leftarrow | No Course Articulated |
| BIO 47 - Astrobiology (4.00) Same-As: ESS 47 | \leftarrow | 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 | | |
|---|--------------|--|
| PHYS 8 - Introductory Physics I for Physical Sciences (4.00) | | PHYS 4A - Physics for Scientists and Engineers (4.00) |
| | 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) | \leftarrow | PHYS 4B - Physics for Scientists and Engineers (4.00) |
| | Or | |
| PHYS 19 - Introductory Physics II for Biological Sciences (4.00) | ← | No Course Articulated |

END OF AGREEMENT

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