

Articulation Agreement by Major

Effective during the 2018-2019 Academic Year

To: University of California, Merced
General Catalog, Semester

From: Ventura College
General Catalog, Semester

BIOLOGICAL SCIENCES, B.S.

THE SCHOOL OF NATURAL SCIENCES

Biological Sciences, B.S. offers five emphasis tracks: Molecular and Cell Biology, Ecology and Evolutionary Biology, Human Biology, Developmental Biology, and Microbiology and Immunology. Transfer applicants must choose an emphasis in this major.

REQUIREMENTS FOR ADMISSION

For admission to the Biological Sciences 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:

- BIO 1 & 1L (with B or better grades in each course),
- CHEM 2, CHEM 10, CHEM 8 & 8L, CHEM 100
- MATH 11 OR MATH 21, MATH 12 OR MATH 22

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.

LOWER DIVISION MAJOR PREPARATION COURSES

BIO 1 - Contemporary Biology (4.00)

And

BIO 1L - Contemporary Biology Lab (1.00)

- Minimum grade required: B or better



BIOL V3 - Introduction to Organismal Biology and Ecology (5.00)

And

ANPH V1 - Introduction to Human Anatomy and Physiology (5.00)

Or

BIOL V1 - Principles of Biology (3.00)

Or

PHSO V1 - Introduction to Human Physiology (4.00)

Or

BIOL V3 - Introduction to Organismal Biology and Ecology (5.00)

And

BIOL V4 - Introduction to Cell and Molecular Biology (5.00)

BIO 2 - Introduction to Molecular Biology (4.00) <p style="text-align: center;">And</p> BIO 2L - Introduction to Molecular Biology Lab (1.00)	←	BIOL V30 - Introductory Biotechnology and Laboratory (4.00) Same-As: BIOT V30
CHEM 2 - General Chemistry I (4.00)	←	CHEM V1A - General Chemistry I (3.00) <p style="text-align: center;">And</p> CHEM V1AL - General Chemistry I Laboratory (2.00)
CHEM 10 - General Chemistry II (4.00)	←	CHEM V1B - General Chemistry II (3.00) <p style="text-align: center;">And</p> CHEM V1BL - General Chemistry II Laboratory (2.00)
CHEM 8 - Principles of Organic Chemistry (3.00) <p style="text-align: center;">And</p> CHEM 8L - Principles of Organic Chemistry Lab (1.00)	←	CHEM V12A - General Organic Chemistry I (3.00) <p style="text-align: center;">And</p> CHEM V12AL - General Organic Chemistry I Laboratory (2.00)
CHEM 100 - Organic Synthesis and Mechanism (3.00) <p style="text-align: center;">And</p> CHEM 100L - Organic Chemistry Laboratory (1.00) <ul style="list-style-type: none"> ■ Lab is not required ■ Lower division credit only 	←	CHEM V12B - General Organic Chemistry II (3.00) <p style="text-align: center;">And</p> CHEM V12BL - General Organic Chemistry II Laboratory (2.00)

MATH 11 - Calculus I (4.00)	←	MATH V46 - Applied Calculus (4.00)
Or		
MATH 21 - Calculus I for Physical Sciences & Engineering (4.00)	←	MATH V21A - Calculus with Analytic Geometry I (5.00)
MATH 12 - Calculus II (4.00)	←	No Course Articulated
Or		
MATH 22 - Calculus II for Physical Sciences & Engineering (4.00)	←	MATH V21B - Calculus with Analytic Geometry II (5.00)

CHOOSE ONE OF THE FOLLOWING:

CSE 5 - Introduction to Computer Applications (4.00) ←	No Course Articulated
CSE 20 - Introduction to Computing I (2.00) ←	CS V11 - Programming Fundamentals (3.00) Or CS V30 - Beginning C++ (3.00) Or CS V40 - Beginning Java (3.00)
MATH 15 - Introduction to Scientific Data Analysis (2.00) ←	No Course Articulated

CHOOSE ONE OF THE FOLLOWING:

ENVE 105 - Environmental Data Analysis (3.00) ←	No Course Articulated
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
PSY 10 - Analysis of Psychological Data (4.00) ←	MATH V44 - Elementary Statistics (4.00) Or PSY V4 - Introductory Statistics for the Social and Behavioral Sciences (4.00)

PHYS 8 - Introductory Physics I for Physical Sciences (4.00) ←	PHYS V4 - Mechanics for Scientists and Engineers (4.00) And PHYS V4L - Mechanics Laboratory for Scientists and Engineers (1.00)
Or	
PHYS 18 - Introductory Physics 1 for Biological Sciences (4.00) ←	PHYS V3A - General Physics I: Calculus-Based (4.00) And PHYS V3AL - General Physics I Laboratory: Calculus-Based (1.00)
PHYS 9 - Introductory Physics II for Physical Sciences (4.00) ←	PHYS V5 - Electricity and Magnetism for Scientists and Engineers (4.00) And

PHYS V5L - Electricity and Magnetism
Laboratory for Scientists and Engineers
(1.00)

Or

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



PHYS V3B - General Physics II:
Calculus-Based (4.00)

And

PHYS V3BL - General Physics II
Laboratory: Calculus-Based (1.00)

END OF AGREEMENT