

Articulation Agreement by Major

Effective during the 2020-2021 Academic Year

To: University of California, Riverside
2020-2021 General Catalog, Quarter

From: Long Beach City College
2020-2021 General Catalog, Semester

Earth Sciences, B.S.

GENERAL REQUIREMENTS

Applicants to majors in the College of Natural and Agricultural Sciences are selected on the basis of their academic preparation, as assessed by their GPA and the strength of preparation for their intended major. A GPA of at least 2.70 is required (This is a baseline GPA for consideration and not a guarantee of admission). Courses must be completed with a letter grade, with no grade lower than a "C-". To be best prepared for upper division course work at UCR, students are advised to complete as many as possible of the lower division major requirements listed below prior to transfer, and to prioritize this course work above completion of breadth/general education courses.

In addition, complete community college courses comparable to **at least two** of the following UCR year-long sequences in order to meet selection criteria for this major. Courses must be completed with "C-" grades or better. First year calculus is required, the second sequence can be chosen from options listed under Potential Course Sequences.

Potential Course Sequences

Math 9A, MATH 9B, MATH 9C or Math 7A, MATH 7B, MATH 46 (mandatory)

Math 10A, MATH 10B, MATH 46

Biology BIOL 5A/5LA, BIOL 5B (and BIOL 5C, if articulated)

Chemistry CHEM 1A/LA, CHEM 1B/LB

Physics PHYS 40A, PHYS 40B or PHYS 2A/LA, PHYS 2B/LB

AP Exam - Satisfy Course Requirement Section

Mathematics: AB Exam or AB Subscore from BC Exam

Minimum score of 3 satisfies MATH 9A or MATH 7A

Mathematics: BC Exam

Minimum score of 3 satisfies MATH 9A and MATH 9B or MATH 7A and MATH 7B

Minimum score of 4 satisfies MATH 9A, MATH 9B, MATH 9C or MATH 7A, MATH 7B, MATH 9C

Physics: C Exam - Mechanics

Minimum score of 4 satisfies PHYS 2A and 2LA

If the sending institution offers honors courses, the articulation for the same course number will be used.

For additional information about this major, please visit [Earth Sciences](#).

For information about the UC Transfer Admission Guarantee (TAG) program, please visit [Transfer Admissions Guarantee](#).

IGETC and General Education/Breadth Information

IGETC is not accepted for majors housed in the College of Natural and Agricultural Sciences. Courses taken for IGETC will be applied to the College's breadth pattern as appropriate. Transfer students who wish to supplement their math and science preparation with humanities or social science courses are encouraged to follow the College of Natural and Agricultural Sciences breadth pattern. You may view the breadth requirements for College of Natural and Agricultural Sciences by visiting the [2020-21 Catalog](#), pages 87-89.

LOWER DIVISION MAJOR REQUIREMENTS

Select 1 Sequence(s) from the following

Required for admission

Minimum grade required: C or better

MATH 9A - First-Year Calculus (4.00)

--- And ---

MATH 9B - First-Year Calculus (4.00)

--- And ---

MATH 9C - First-Year Calculus (4.00)

- An AP exam may be used to satisfy this course requirement

MATH 60 - First Calculus Course (5.00)

--- And ---

MATH 70 - Second Calculus Course (5.00)

MATH 7A - Calculus for Life Sciences (4.00)

← No Course Articulated

--- And ---

MATH 7B - Calculus for Life Sciences (4.00)

← No Course Articulated

- An AP exam may be used to satisfy this course requirement

--- And ---

MATH 46 - Intro to Ordinary Differential Equations (4.00)

← **MATH 84** - Intro to Differential Equations and Linear Algebra (5.00)

Select 1 Sequence(s) from the following

Required for admission

Minimum grade required: C or better

BIOL 5A - Intro to Cell and Molecular Biology (4.00)

--- And ---

BIOL 5B - Intro to Organismal Biology (4.00)

--- And ---

BIOL 5C - Introductory Evolution and Ecology (4.00)

--- And ---

BIOL 5LA - Intro to Cell and Molecular Biology Lab (1.00)



BIO 1A - Biology for Science Majors (5.00)

--- And ---

BIO 1B - Biology for Science Majors (5.00)

CHEM 1A - GENERAL CHEMISTRY (4.00)

--- And ---

CHEM 1B - GENERAL CHEMISTRY (4.00)

--- And ---

CHEM 1LA - General Chemistry Lab (1.00)

--- And ---

CHEM 1LB - General Chemistry Lab (1.00)



CHEM 1A - General Chemistry (5.50)

--- And ---

CHEM 1B - General Chemistry (5.50)

PHYS 40A - GENERAL PHYSICS (5.00)

--- And ---

PHYS 40B - GENERAL PHYSICS (5.00)



PHYS 3A - Physics for Sci & Eng. - Mechanics (5.50)

--- And ---

PHYS 3C - Physics for Sci. and Eng.- Modern Physics (4.50)

PHYS 2A - GENERAL PHYSICS (4.00)

--- And ---

PHYS 2LA - General Physics Laboratory (1.00)

--- And ---

PHYS 2B - GENERAL PHYSICS (4.00)

--- And ---

PHYS 2LB - General Physics Laboratory (1.00)

- An AP exam may be used to satisfy this course requirement



No Course Articulated

MATH 10A - Calculus of Several Variables (4.00)

--- And ---

MATH 10B - Calculus of Several Variables (4.00)



MATH 80 - Third Calculus Course (5.00)

--- And ---

MATH 46 - Intro to Ordinary Differential Equations (4.00)



MATH 84 - Intro to Differential Equations and Linear Algebra (5.00)

END OF AGREEMENT