

# Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, Riverside  
2022-2023 General Catalog, Quarter

From: De Anza College  
2022-2023 General Catalog, Quarter

## Physics, B.A. or 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 following UCR two year-long sequences in order to meet selection criteria for this major.

#### Mandatory Course Sequence

**Math** 9A, MATH 9B, MATH 9C **or** Math 7A, MATH 7B, MATH 9C

**Physics** PHYS 40A, PHYS 40B, PHYS 40C

#### 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

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

For information about the UC Transfer Admission Guarantee (TAG) program, please visit [Transfer Admission 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 [2022-23 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 1A** - Calculus (5.00)

--- And ---

**MATH 1B** - Calculus (5.00)

--- And ---

**MATH 1C** - Calculus (5.00)

**MATH 7A** - Calculus for Life Sciences (4.00)

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



No Course Articulated

--- And ---

**MATH 7B** - Calculus for Life Sciences (4.00)

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



No Course Articulated

--- And ---

**MATH 9C** - First-Year Calculus (4.00)



**MATH 1C** - Calculus (5.00)

Required for admission

Minimum grade required: C or better

**PHYS 40A** - General Physics (5.00)

--- And ---

**PHYS 40B** - General Physics (5.00)

--- And ---

**PHYS 40C** - General Physics (5.00)



**PHYS 4A** - Physics for Scientists and Engineers: Mechanics (6.00)

--- And ---

**PHYS 4B** - Physics for Scientists and Engineers: Electricity and Magnetism (6.00)

--- And ---

**PHYS 4C** - Physics for Scientists and Engineers: Fluids, Waves, Optics and Thermodynamics (6.00)

**END OF AGREEMENT**