Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, Berkeley 2022-2023 General Catalog, Semester	From: De Anza College 2022-2023 General Catalog, Quarter

Mathematics/Applied Mathematics, Lower Division B.A.

COLLEGE OF LETTERS AND SCIENCE

COLLEGE ADMISSION REQUIREMENTS FOR TRANSFER STUDENTS
THIS MAJOR IS OFFERED BY THE COLLEGE OF LETTERS AND SCIENCE (L&S).

By the end of the spring term preceding fall enrollment at Berkeley, you must complete:

1) The L&S Requirements in Reading & Composition, Quantitative Reasoning, and Foreign Language; **OR**
2) IGETC

Major Requirements:
Complete as many lower division major requirements as possible. See details on preparation for this major below.

Primary selection criteria for admission, in general:
- completion of L&S Requirements (or IGETC), plus
- strength of academic preparation, and
- grade point average.

For more information on admission to UC Berkeley:
http://admissions.berkeley.edu

For more information on majors at UC Berkeley:
Berkeley Academic Guide: http://guide.berkeley.edu

PROGRAM

Fall 2023 Admission For this Major:
Transfer students who select this major on their College of Letters and Science (L&S) application and are offered admission to L&S will be directly admitted into this major.

If you are interested in this major, it is very important to select this major on your application, and complete as many lower-division major requirements as possible prior to transfer. See details on preparation for this major below.

The Department of Mathematics considers courses from other institutions to be comparable if there is an overlap of roughly 80% of the Berkeley material (based on a course outline or syllabus). Transfer students' preparation for a particular Berkeley course will vary widely in breadth, depth, and rigor.

Of the lower-division requirements for the Mathematics and Applied Mathematics majors **Math 55, Discrete Mathematics**, is not required for admission. If your college offers an articulated course we will accept it, however, you may complete Math 55 at Berkeley in your first semester.

High school exam credit policies for Math and Applied Math majors are detailed at:
https://math.berkeley.edu/courses/choosing/high-school-exam-credits

For more information:
https://math.berkeley.edu/programs/undergraduate/advising

LOWER DIVISION MAJOR REQUIREMENTS

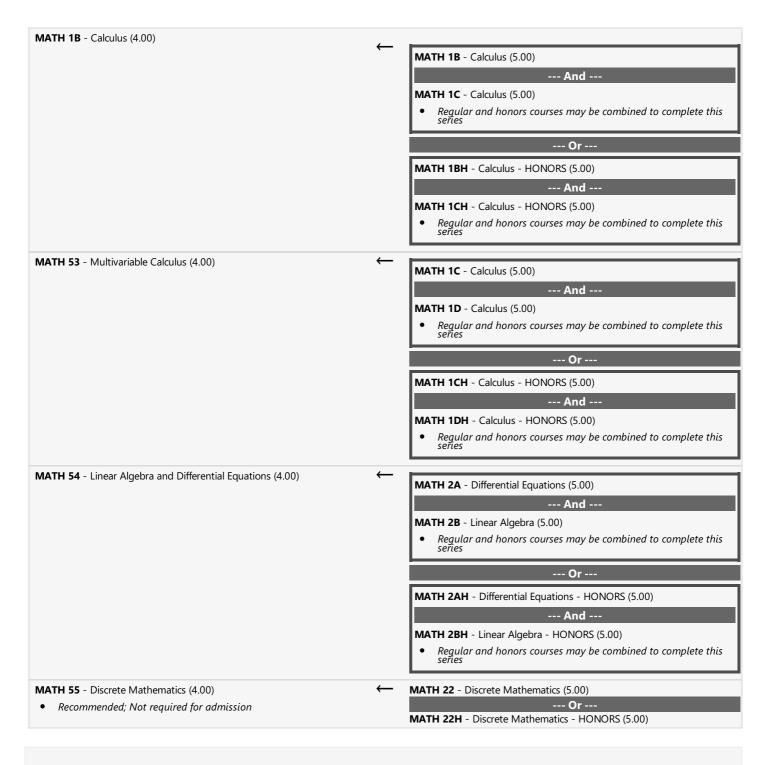| MATH 1A - Calculus (4.00) ←	MATH 1A - Calculus (5.00) --- And --- MATH 1B - Calculus (5.00) • *Regular and honors courses may be combined to complete this series* --- Or --- MATH 1AH - Calculus - HONORS (5.00) --- And --- MATH 1BH - Calculus - HONORS (5.00) • *Regular and honors courses may be combined to complete this series*

MATH 1B - Calculus (4.00) ←

> **MATH 1B** - Calculus (5.00)
> --- And ---
> **MATH 1C** - Calculus (5.00)
> - *Regular and honors courses may be combined to complete this series*

--- Or ---

> **MATH 1BH** - Calculus - HONORS (5.00)
> --- And ---
> **MATH 1CH** - Calculus - HONORS (5.00)
> - *Regular and honors courses may be combined to complete this series*

MATH 53 - Multivariable Calculus (4.00) ←

> **MATH 1C** - Calculus (5.00)
> --- And ---
> **MATH 1D** - Calculus (5.00)
> - *Regular and honors courses may be combined to complete this series*

--- Or ---

> **MATH 1CH** - Calculus - HONORS (5.00)
> --- And ---
> **MATH 1DH** - Calculus - HONORS (5.00)
> - *Regular and honors courses may be combined to complete this series*

MATH 54 - Linear Algebra and Differential Equations (4.00) ←

> **MATH 2A** - Differential Equations (5.00)
> --- And ---
> **MATH 2B** - Linear Algebra (5.00)
> - *Regular and honors courses may be combined to complete this series*

--- Or ---

> **MATH 2AH** - Differential Equations - HONORS (5.00)
> --- And ---
> **MATH 2BH** - Linear Algebra - HONORS (5.00)
> - *Regular and honors courses may be combined to complete this series*

MATH 55 - Discrete Mathematics (4.00) ←
- *Recommended; Not required for admission*

> **MATH 22** - Discrete Mathematics (5.00)
> --- Or ---
> **MATH 22H** - Discrete Mathematics - HONORS (5.00)

END OF AGREEMENT