

**UC Board of Admissions and Relations with Schools (BOARS)**  
**Workgroup on Mathematics (Area C) Preparation**

**Workgroup Charge**

Stage 1 (September-December 2023):

1. The workgroup will determine UC's definition of advanced mathematics for college preparation (i.e., what types of courses are eligible for the 4<sup>th</sup> year of area C coursework?). The workgroup will examine the criteria for a high school course to be articulated as Advanced Mathematics in one of the five categories: Pre-Calculus, Calculus, Computer Science, Statistics, and Other, and may recommend additional criteria that courses should meet to be considered area C courses that would be appropriate for a 4<sup>th</sup> year of math.
2. The workgroup will examine the policy and criteria by which advanced math courses can validate (substitute for) lower-level area C math courses covering the content areas of algebra and geometry, and may recommend changes to this policy and criteria. The workgroup may specify the foundational content that must be covered or expanded upon in an advanced math course in order for it to validate a lower-level course.
3. The workgroup will specifically consider courses in data science in terms of what content they should contain to qualify as advanced mathematics for UC preparation. The workgroup will also recommend whether these courses could validate lower-level area C math courses and if so, what content would they need to contain to do so. The workgroup will consider whether it is appropriate to establish a new category of Advanced Mathematics in area C for evaluation of data science courses.

Stage 2 (January-May 2024):

The workgroup will determine UC's definition of foundational mathematics for college preparation (i.e., what do college-prep courses that address the content areas specified in [Senate Regulation 424.A.3.c](#) need to cover?). The workgroup will engage with CSU faculty and the Subcommittee on Mathematics Competencies convened by the [Intersegmental Committee of the Academic Senates \(ICAS\)](#) to align expectations of college preparation in math across the segments. The workgroup will examine what mathematics coursework forms the most appropriate and necessary preparation for students to be successful at the University and will propose updates to the language in SR 424.A.3.c if necessary.

Composition: The workgroup will consist of faculty nominated from each campus by members of BOARS and the Academic Senate divisional chairs. Nominations will be considered by the BOARS chair with input from systemwide Senate leadership. Confirmation of members will be issued via official appointment letters from the University Committee on Committees (UCOC), per [Senate Bylaw 150](#) (governing the authority of UCOC to appoint faculty to serve on such groups).

Members will have expertise in mathematics, statistics, computer science, math education, or other relevant fields. UC Office of the President staff involved in undergraduate admissions and/or A-G articulation will serve as consultants to the workgroup. The workgroup will also include representatives from Institutional Research and Academic Planning (IRAP) to provide data on high school course-taking patterns and student success metrics.

Outcome: The workgroup will submit their recommendations regarding Stage 1 to BOARS by December 22, 2023. BOARS will discuss these recommendations and determine next steps during their January 5, 2024 meeting. The workgroup will produce a report outlining recommendations on area C requirements (Stage 2) by May 24, 2024. BOARS will receive updates from the workgroup during the committee's fall 2023 meetings.

<b>BOARS AREA C WORKGROUP 2023-2024</b>		
<b>University of California Faculty Representatives</b>		
Ani Adhikari, Chair	Berkeley	Statistics
Alexander Aue	Davis	Statistics Department
Josh Berke	San Francisco/BOARS	School of Medicine
Maribel Bueno Cachadina	Santa Barbara	Mathematics
Weitao Chen	Riverside *Appointed to Workgroup January 2024	Applied Mathematics
Svetlana Jitomirskaya	Irvine/Berkeley	Mathematics
Todd Kemp	San Diego	Mathematics
Amit Sahai	Los Angeles	Computer Science
Bruno Sanso	Santa Cruz	Statistics
Frank Vahid	Riverside/BOARS *Separated from UC December 2023	Computer Science
<b>California State University Faculty Representatives</b> *Appointed to Workgroup January 2024		
Mario Bañuelos	CSU Fresno	Mathematics
Michael O'Sullivan	San Diego State University	Mathematics and Statistics
Katherine Stevenson	CSU Northridge	Mathematics