

AB705 & AB1705 Math Update

RCCD Department Chair Retreat

May 3, 2024

Summary of Work by Math Discipline

- Created support for all SLAM courses (Math 11 support in progress).
- Created Math 9 (with support) to shorten the calculus pathway (Math 9 to Math 36 to Math 1A).
- Attended multiple "Math Summits" focused on increasing success and closing equity gaps.
- Held communities of practice for select courses with a focus on success and retention.
- MVC is redesigning Math 1A for summer and fall of 2024 through the MSEIP grant.

Update from Math Discipline

Summer & Fall 2025

STEM students will receive a Math 1A placement.

Class Enrollment

Students in the Lowest STEM placement level must either enroll in a concurrent Math 1A support course or an Innovative Calculus Preparation course.

Course Development

The math discipline is working on creating these courses in the spring and summer of 2024.

Accomplishments and Concerns (Math Discipline)

- We have responded to Multiple Measures Assessment and AB705 and made significant changes to our placement and curriculum since 2019.
- SLAM students have clearly benefited from these changes with more students completing college level math.
- AB1705 is being imposed before we have been given a chance to analyze how the changes to our STEM pathway in 2022 have impacted students. Furthermore, the data we have is largely from the COVID pandemic and its validity is questionable.
- The RCCD Math Discipline is very concerned that AB1705 will disproportionately affect our lowest placing STEM students.
- Students who do not have the requisite skills for STEM math courses will be forced to learn prerequisite material either simultaneously or very quickly in a single preparation course.
- We are approaching this challenge with a positive attitude and hope to develop meaningful changes in our curriculum and teaching strategies to increase success and throughput particularly for our most disproportionately impacted populations.