

Creating Streamlined Educational Pathways



Match Math Course Requirements with Academic Major Requirements to Improve Student Success



Components of the California State University's Quantitative Reasoning Redesign Plan

1



Curriculum Design

Develop math pathways to align with student majors

2



Faculty Development

Provide orientation, training, and support to teach the new curriculum

3



Academic Support Services

Offer supplementary instruction through early start programs, bootcamps, and tutoring



STEM Pathways



Typically include algebra and/or calculus, which are required for many STEM fields

Non-STEM Pathways



Typically include statistics, which aligns with most social science majors

720%

Increase in the number of students passing higher-level math courses after math pathways implementation¹



1) From 950 to 7,787 students.

Sources: Bracco, K., et al., [College-Ready in the California State University System](#), WestEd, 2019; [Beyond Co-Requisites: Math Success at Cal State LA](#), Association of College and University Educators, 2019; Watanabe, T., [Cal State remedial education reforms help thousands more students pass college-level math classes](#), Los Angeles Times, 2019; EAB interviews and analysis.