National research and California State University data are clear: students—from all backgrounds and pursuing all majors—are more likely to stay in college and earn a degree in four years if they've taken an additional course in quantitative reasoning in high school. Quality academic preparation is also key to Graduation Initiative 2025, the CSU’s flagship effort to increase graduation rates and close equity gaps for California students. The CSU is committed to working with its PK-12 partners to create more opportunities for additional academic preparation for all California students.

**BUILDING MORE COURSES**

The CSU is supporting PK-12 districts, especially in high-need areas, in developing and adopting 12th grade classes in quantitative reasoning. To date, six courses have been adopted by over 160 California high schools, expanding academic preparation options for students.

In addition, many CSU campuses have developed online programs in Supplementary Authorization in Computer Science for in-service teachers. This will help build greater understanding computer science and its applications in our students and prepare them for the quantitative reasoning skills to be successful.

**CHOICES FOR SUCCESS**

New 12th grade mathematics and quantitative reasoning courses position students from all backgrounds for success in the CSU:

- Discrete Mathematics Pre-Collegiate (San Diego)
- Transition to Quantitative Reasoning and Quantitative Reasoning with Advanced Mathematical Concepts (Sacramento)
- Transition to College Level Mathematics (Monterey Bay)
- Transition to College Mathematics and Statistics (Northridge)
- Mathematical Reasoning with Connections (Pomona, Long Beach, San Bernardino and San José)
- Supplementary Authorization in Computer Science (multiple campuses)
- Introduction to Statistics: A Modeling Approach (Los Angeles)
A BRIDGE TO COLLEGE

Developed collaboratively by high school mathematics teachers and CSU faculty, the CSU Bridge Courses listed above help high school seniors transition to college-level mathematics and quantitative reasoning courses. Fundamentally shifting the way mathematics is taught, bridge courses meet the CSU’s “c” admission requirement while offering more pathways for students to succeed. CSU Bridge courses are already part of the curriculum in over 160 high schools throughout California.

SPREADING THE WORD

The CSU continues to work closely with PK-12 school districts, especially in historically underserved communities, to share the value of academic preparation and new course options. It will continue to:

- Prepare PK-12 educators, families and prospective students for CSU admission requirements and recommendations through a communications campaign
- Communicate directly with high school counselors, Early Assessment Program (EAP) coordinators and county offices of education
- Offer professional learning and in-service opportunities for PK-12 teachers and administrators
- Reach out directly to PK-12 districts identified as needing additional quantitative reasoning course support

To ensure that all California students have the access and opportunity to earn a high-quality degree that prepares them for their future, the California State University has proposed expanding its “a-g” admission requirements to include one additional course in quantitative reasoning in high school. This level of academic preparation is essential for success in college, the workforce and in life. It is also key to closing racial and gender disparities, especially in the high-demand, high-paying STEM fields. The CSU Board of Trustees, working in collaboration with a steering committee of internal and external stakeholders, is considering next steps. The proposed requirement would be applicable for fall 2027.

FOR MORE INFORMATION

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