

**ACADEMIC SENATE  
OF  
THE CALIFORNIA STATE UNIVERSITY**

AS-3377-19/APEP (Rev)  
March 14-15, 2019

**RECOMMENDING A FOUR-YEAR MATHEMATICS/QUANTITATIVE  
REASONING REQUIREMENT FOR FRESHMAN ADMISSION TO THE  
CALIFORNIA STATE UNIVERSITY: TOWARDS A RESPONSIBLE AND  
RESPONSIVE POLICY**

- RESOLVED:** That the Academic Senate of the California State University (ASCSU) commend the process through which the Academic and Student Affairs Team of the CSU Office of the Chancellor is engaged in consultation and data-informed policy development surrounding implementation of the policy actions advocated in [AS-3244-16/APEP \(Rev\)](#), *Support for Requiring a Fourth Year of Mathematics/Quantitative Reasoning for Admission to the California State University*; and be it further
- RESOLVED:** That the ASCSU affirms its desire to ensure that all students have the opportunity to enroll in appropriate high school coursework, have timely notification of CSU admissions expectations, and that as a consequence all students graduating from high school are well-prepared for success at the CSU; and be it further
- RESOLVED:** That the ASCSU affirm its prior concern that supporting student success via changes in entrance requirements could also simultaneously differentially harm students with either less access to, or lower awareness of, these more extensive preparatory elements and that any such potential effects be ameliorated as the associated policies are developed; and be it further
- RESOLVED:** That the ASCSU distribute this resolution to the CSU Admissions Advisory Committee, CSU Board of Trustees, CSU campus Deans of Education, CSU campus Senate Chairs, CSU Math Council, CSU Provosts/Vice Presidents of Academic Affairs, Director of the California Academic Partnership Program (CAPP) Advisory Committee, California State Student Association (CSSA), Intersegmental Committee of Academic Senates (ICAS), University of California (UC) Board of Admissions and Relations with Schools (BOARS), California State Superintendent of Public Instruction, and CSU Deans for colleges that include math (by request to Provosts).

***RATIONALE:** The original suggestion inherent in [AS-3244-16/APEP \(Rev\)](#), “Support for Requiring a Fourth Year of Mathematics/Quantitative Reasoning for Admission to the California State University”, was taken up and included in the ASCSU Quantitative Reasoning Task Force (QRTF) Report recommendations (<https://www2.calstate.edu/csu-system/faculty-staff/academic-senate/Documents/reports/QRTF.FinalReport.KSSF.pdf>).*

*There remain concerns that students with an advantaged educational background are more likely to have achieved more mathematics/quantitative reasoning courses than those from a less advantaged background. While acknowledging this data limitation, the Center for the Advancement of Instruction in Quantitative Reasoning (CAIQR) and others have made good progress in continuing to work towards understanding the impact and desirability of this potential change to unit requirements. The Academic Preparation and Educational Programs (APEP) Committee of the ASCSU is working with the Chancellor’s Office to ensure that the CSU continues to work with our K-12 partners through CSU Educator Preparation & Public School Programs to equitably implement this requirement.*

*The intent of the four-year quantitative reasoning requirement is to ensure that historically underserved students are more likely to be successful in their collegiate studies and will have a broader range of options in academic careers available to them in their studies at the CSU (cf. QRTF report).*

*The University of California (UC) system is investigating the next generation science standards. Many of the next generation science standard courses would meet CSU quantitative reasoning requirements.*

*We further note that this resolution requests that Admissions to the CSU be modified to require four years of quantitative reasoning (previously referred to as “mathematics/quantitative reasoning”) and does not specify the timing of achieving the course competencies. The prior recommendation ([AS-3244-16/APEP \[Rev\]](#)) was that the final mathematics/quantitative reasoning experience occur during the senior year of high school.*

**Approved – May 16-17, 2019**