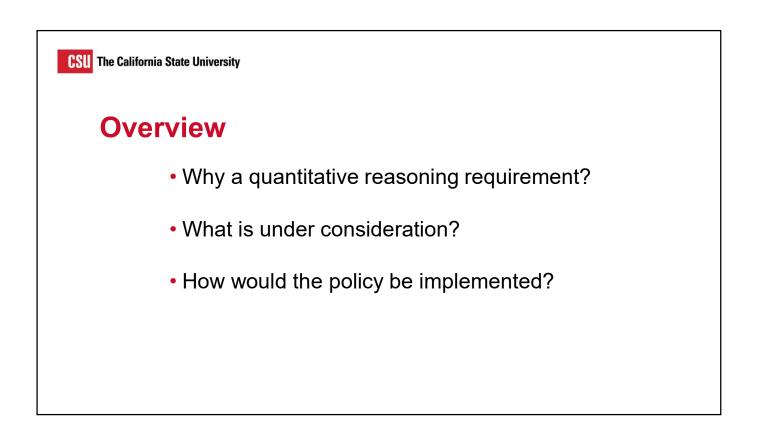


Special Public Comment Open Forum on Quantitative Reasoning Proposal

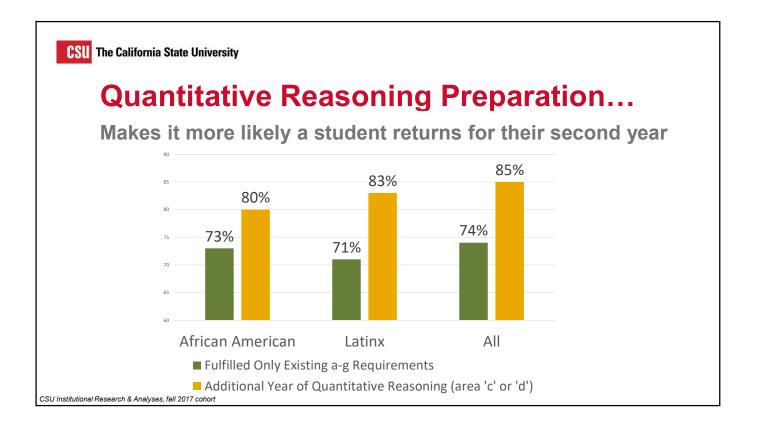
CSU Board of Trustees Committee on Educational Policy—Item 1 August 29, 2019

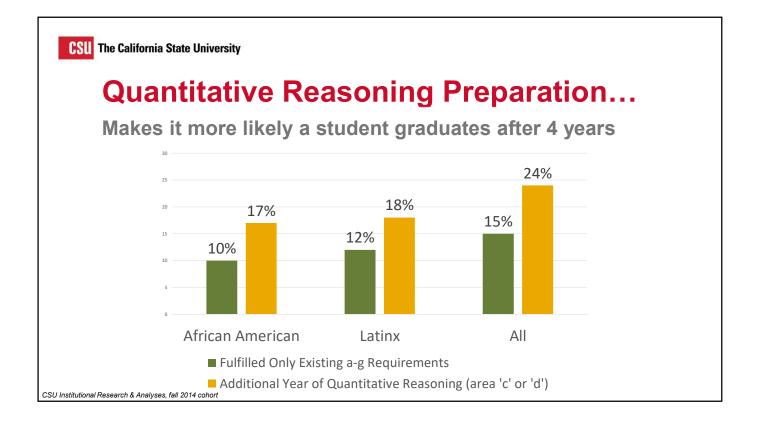


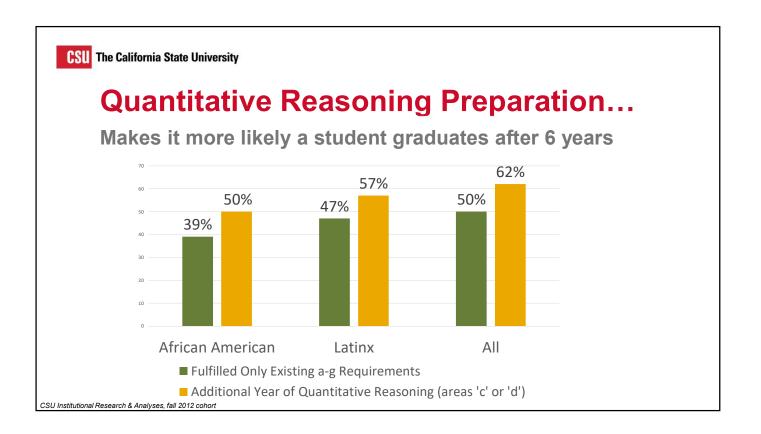


"...in this data-rich era when information from the Internet is available instantly, all students must graduate with the ability to analyze and synthesize knowledge of the world around them."

Association of American Colleges & Universities







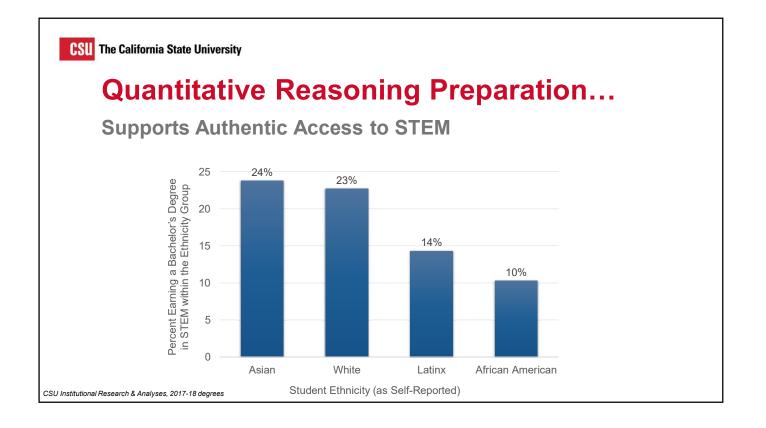


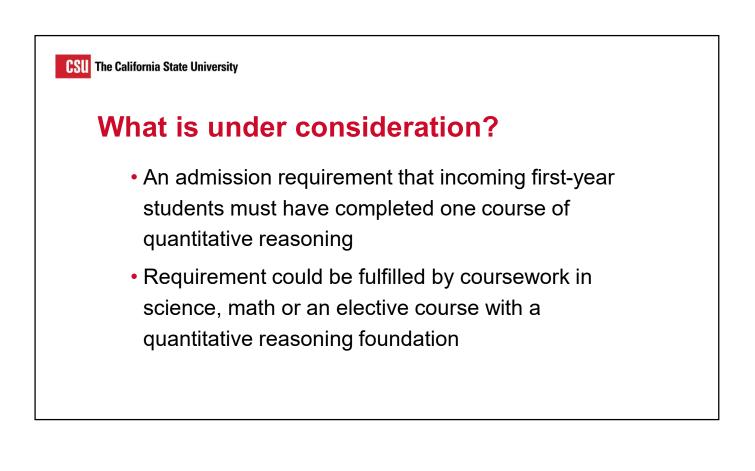
CSU The California State University

Quantitative Reasoning Preparation...

Supports Authentic Access to STEM

- More than half of California high school seniors are interested in pursuing a STEM major in college
- Only 31% met the ACT benchmark for college readiness in STEM
 - 11% of Latinx high school graduates
 - 10% of African American high school graduates



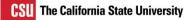


Area	Subject	Courses
a.	History and Social Science	2
b.	English	4
c.	Mathematics	3
d.	Laboratory Science	2
e.	Language Other Than English	2
f.	Visual and Performing Arts	1
g.	College Preparatory Elective or an additional course from a-f	1
otal Required Courses		

CSU T	he California State University				
Proposed "a-g" Requirements					
Area	Subject	Courses			
a.	History and Social Science	2			
b.	English	4			
с.	Mathematics	3			
Ь	Laboratory Science	2			

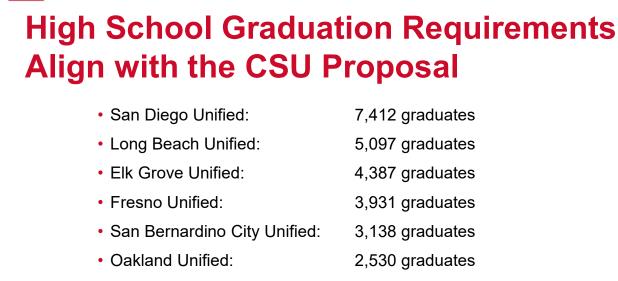
а.	Laboratory Science	2		
e.	Language Other Than English	2		
f. Visual and Performing Arts				
g.	College Preparatory Elective or an additional course from a-f AND a course from c, d or a quantitative reasoning course within g	2		
Total Re	equired Courses	16		





Policy would "Do No Harm"

- Many PK-12 school districts have graduation requirements that align with the CSU proposal
- All comprehensive CA high schools offer at least one qualifying course
- If a student does not have access to a qualifying course, they would receive a waiver of the requirement



Stockton Unified*:

*Beginning with the Class of 2023 www.ed-data.ora

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High School Graduation Requirements Align with the CSU Proposal

2,018 graduates

10 graduates

15 graduates

20 graduates

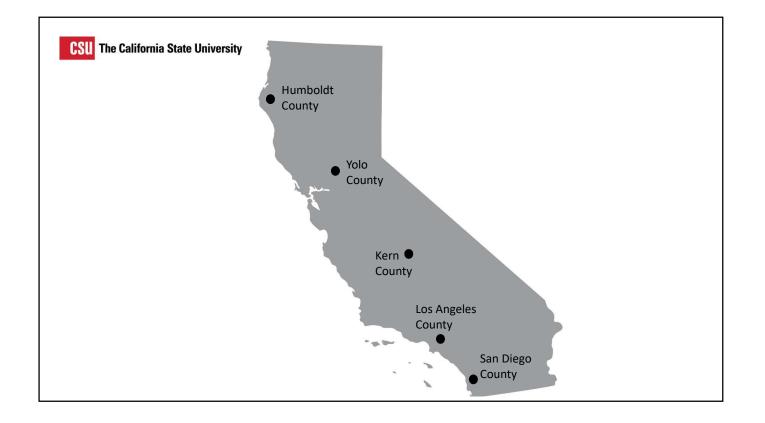
28 graduates

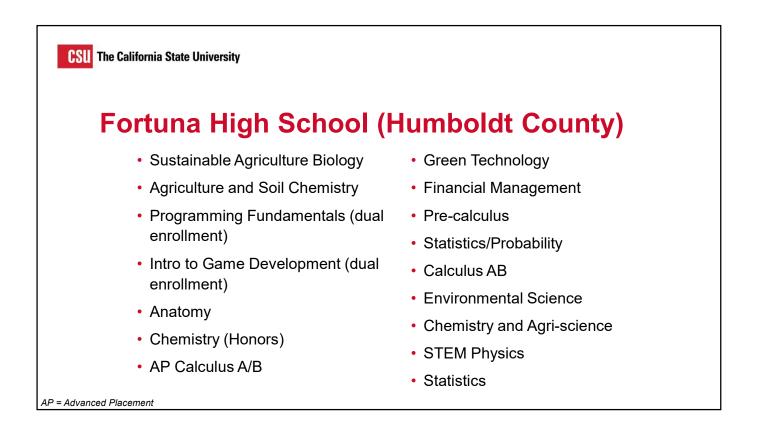
30 graduates

32 graduates

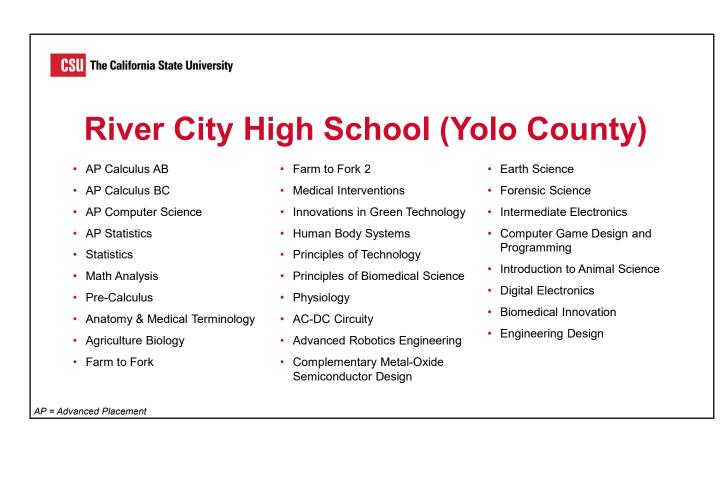
- Baker Valley Unified:
- Dunsmuir Joint Union High:
- Shandon Joint Unified:
- Point Arena Joint Union High:
- Anderson Valley Unified:
- Ferndale Unified:
- Tulelake Basin Joint Unified: 38 graduates

www.ed-data.org





9



CSU The California State University

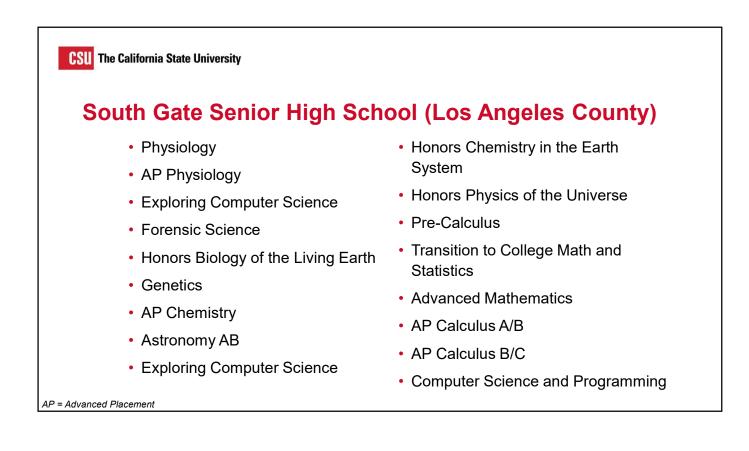
Taft Union High School (Kern County)

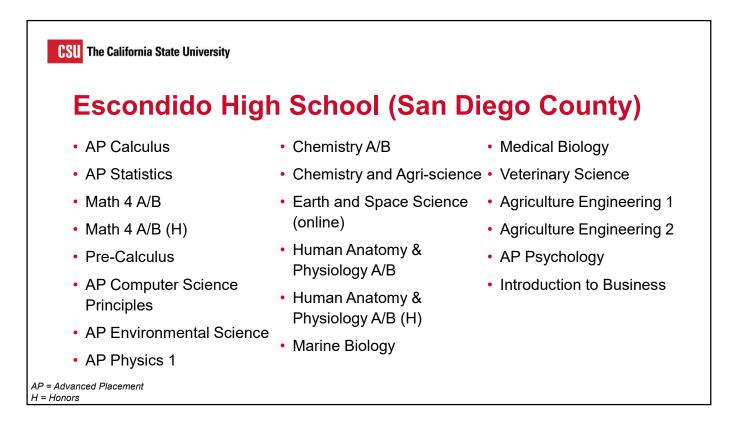
- AP Calculus AB
- AP Statistics
- Math Analysis
- Agricultural Soils and Chemistry
- Agriculture Biology
- Physics

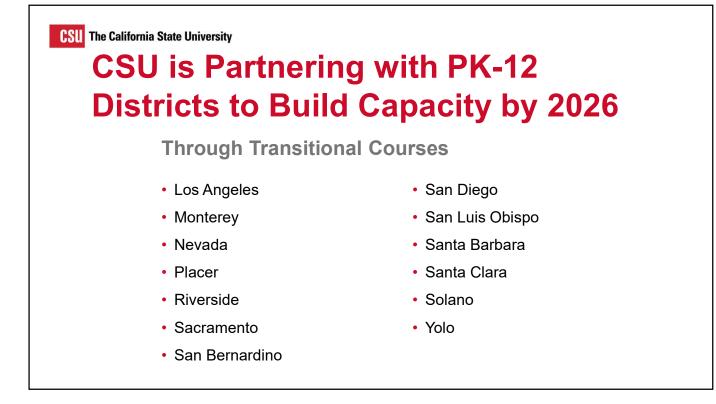
- Chemistry
- AP Chemistry
- Veterinary Science
- Ag Mechanics 1
- AG VET Sci II
- Agriculture Science
- Business Applications

- CDE Veterinary Science
- Horticulture & Environmental Design
- Introduction to Business
 & Marketing
- STEM Robotics
- STEM Robotics 2

AP = Advanced Placement







Course TitleNumber of SchoolsStudents (approx.)Transition to College Level Mathematics8197Transition to College Mathematics and Statistics482,131Quantitative Reasoning with Advanced Math Topics524,293Mathematical Reasoning with 48482,963	CSU The California State University CSU is Partnering with PK-12 Districts to Build Capacity by 2026						
Transition to College Level Mathematics8197Transition to College Mathematics and Statistics482,131Quantitative Reasoning with Advanced Math Topics524,293Mathematical Reasoning with 48482,963		Through Transitional Courses					
MathematicsMathematicsTransition to College Mathematics and Statistics482,131Quantitative Reasoning with Advanced Math Topics524,293Mathematical Reasoning with482,963		Course Title	Number of Schools	Students (approx.)			
and Statistics4,293Quantitative Reasoning with Advanced Math Topics524,293Mathematical Reasoning with482,963		-	8	197			
Advanced Math Topics2,963Mathematical Reasoning with48		-	48	2,131			
		-	52	4,293			
Connections		Mathematical Reasoning with Connections	48	2,963			
Discrete Mathematics for Pre-College 12 1,204 Students		-	12	1,204			
Totals 168 10,788	-	Totals	168	10,788			

