

California Competes

Higher Education for a Strong Economy

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Assembly Select Committee on the Master Plan for Higher Education in California
Ensuring the Master Plan Meets California's Workforce Needs

Wednesday, November 1, 2017

**The future of the
Golden State?**

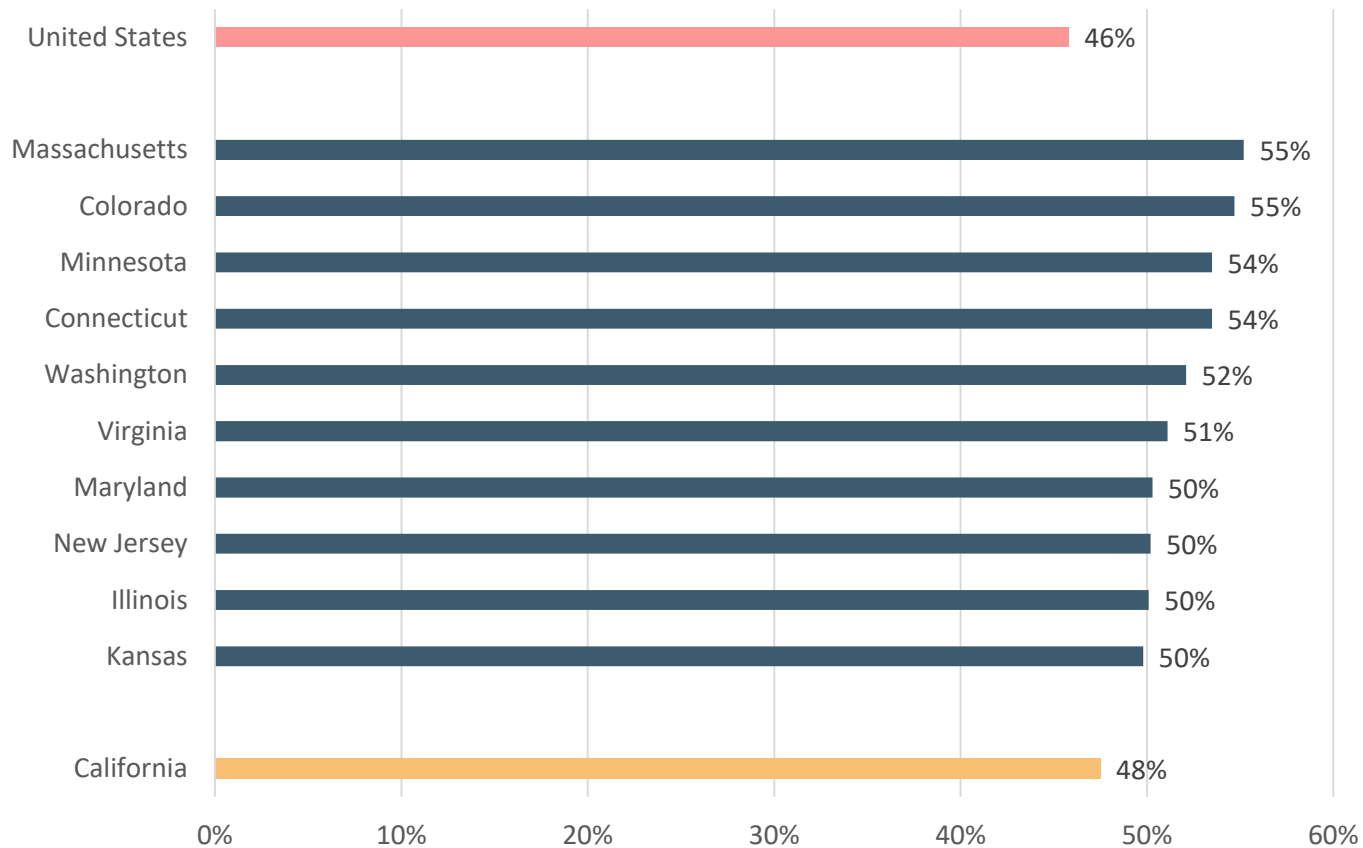


The Higher Education Cycle



What does it take to be Top 10?

Share of Residents With Associate's Degree or Higher
by State

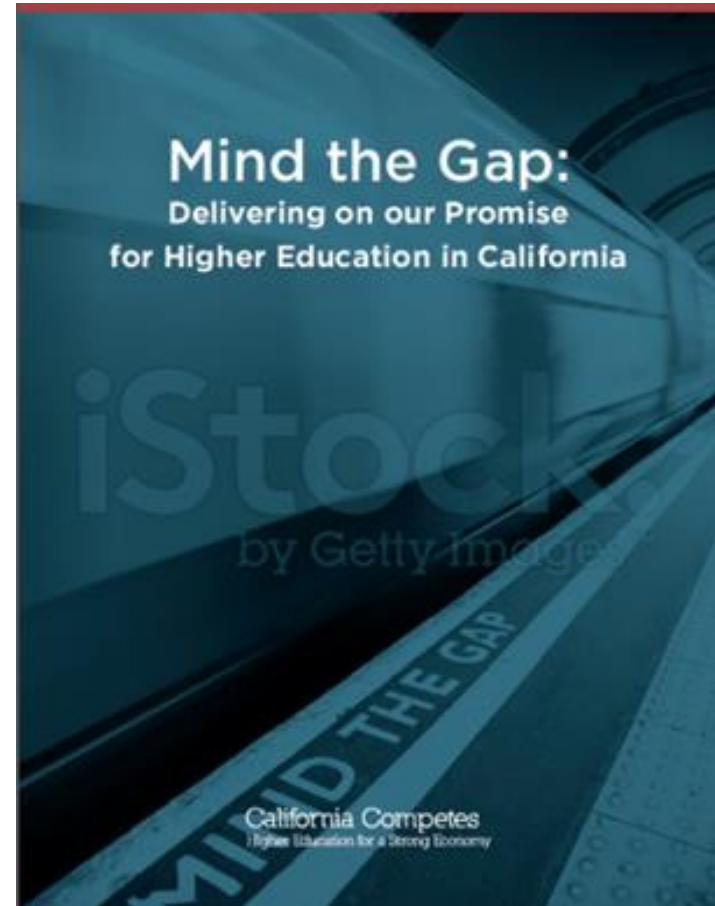


Mind the Gap

Our research shows that California is slated to produce 9.5 million degrees and credentials by 2025.

Our goal is for 55% of Californians to have a credential by 2025, which would equal 11.9 million people with credentials.

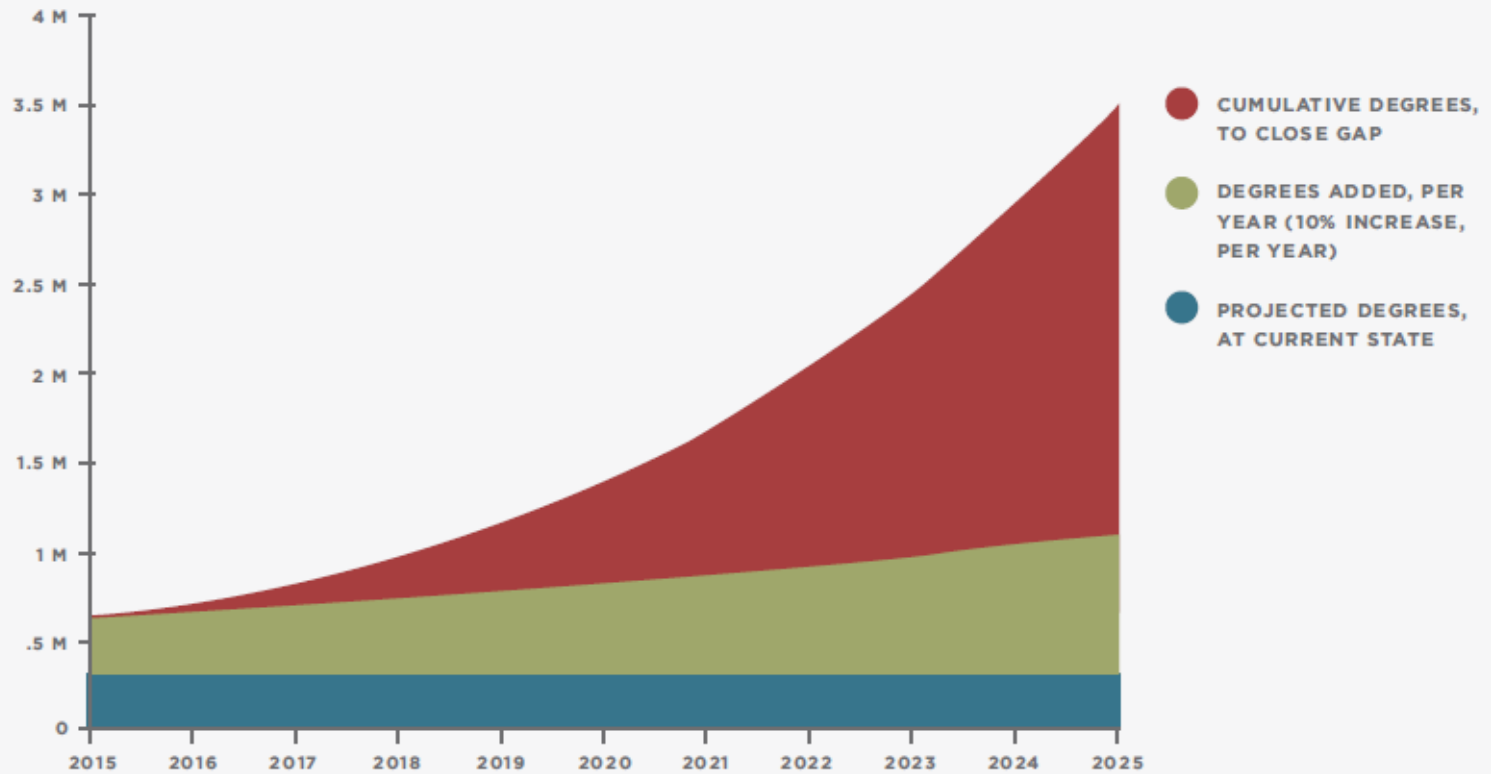
Therefore, if all trends continue, California will face a degree attainment gap of 2.4 million by 2025.



The Degree Gap

FIGURE 1

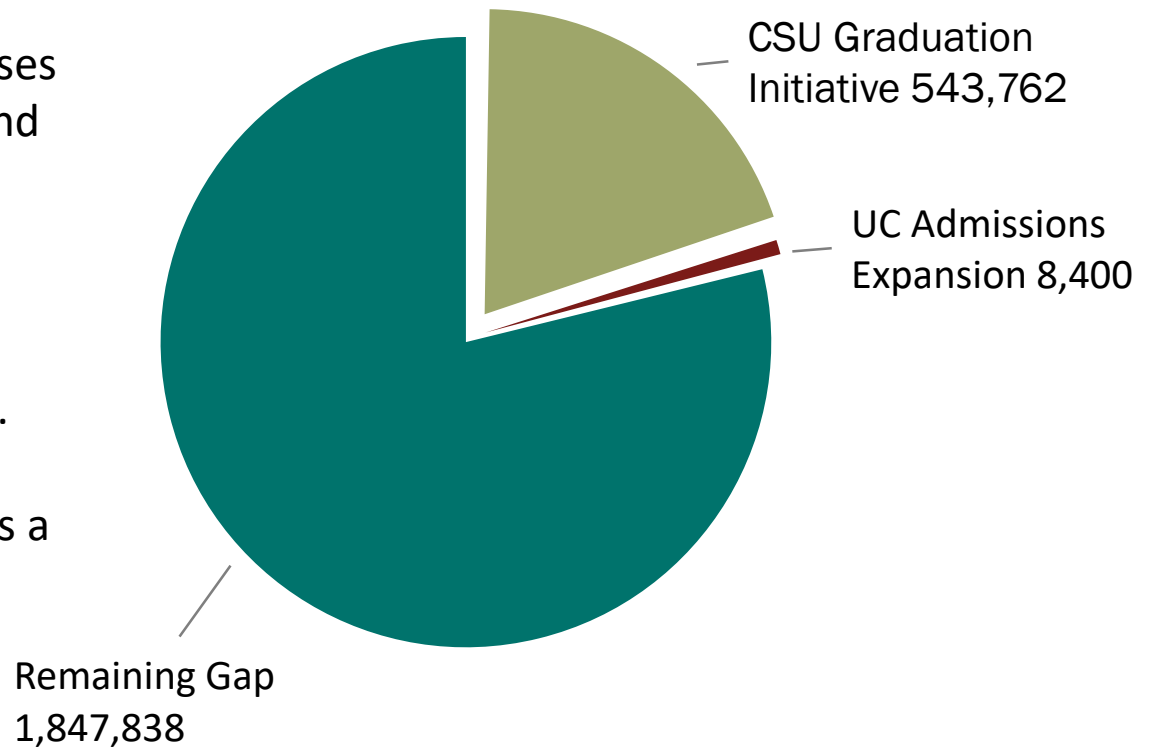
The Degree Gap: Projected, Needed & Cumulative



Institutional goals are key to increasing degree attainment

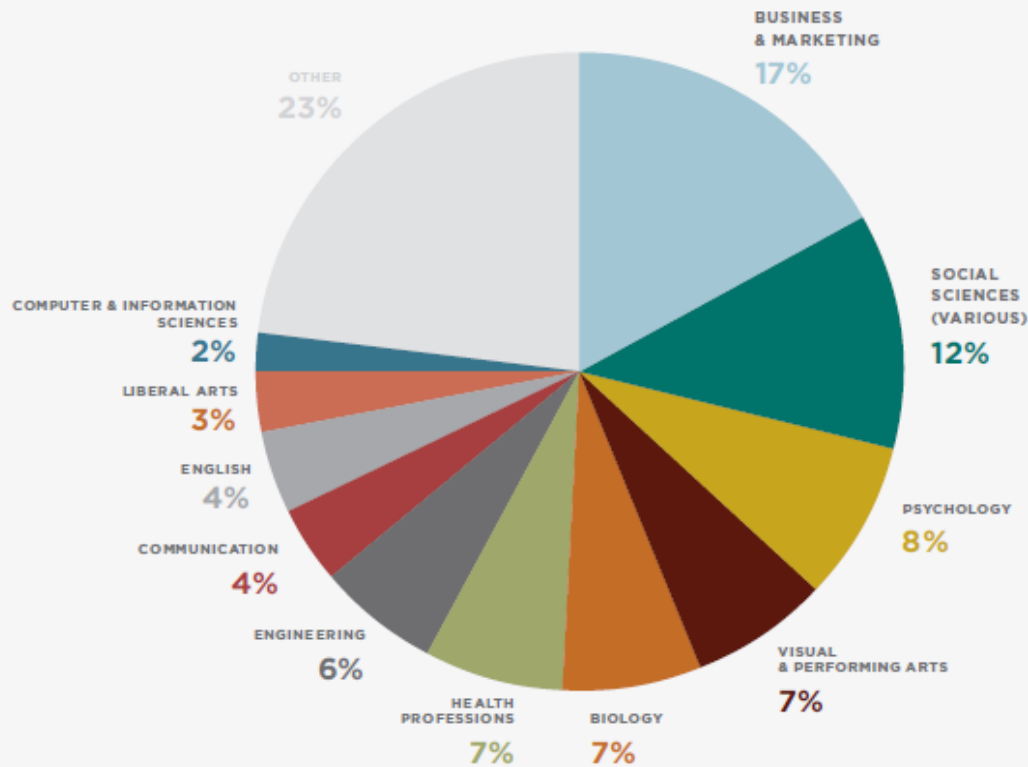
CSU's Graduation Initiative has potential to reduce the degree gap.

- If enrollment increases at projected rates and all campuses meet stretch targets, CSU could produce an additional 500,000+ BA degrees by 2025.
- Our analysis predicts a much lower gain.



A look at Baccalaureate majors

Top Ten Bachelor's Degree Majors in 2013



- Business and marketing remains most popular
- Rise of Health Professions major
- Decline of liberal arts computer science majors

BA majors by race

Top Majors Among Bachelor's Recipients Overall and by Race/Ethnicity, 2013

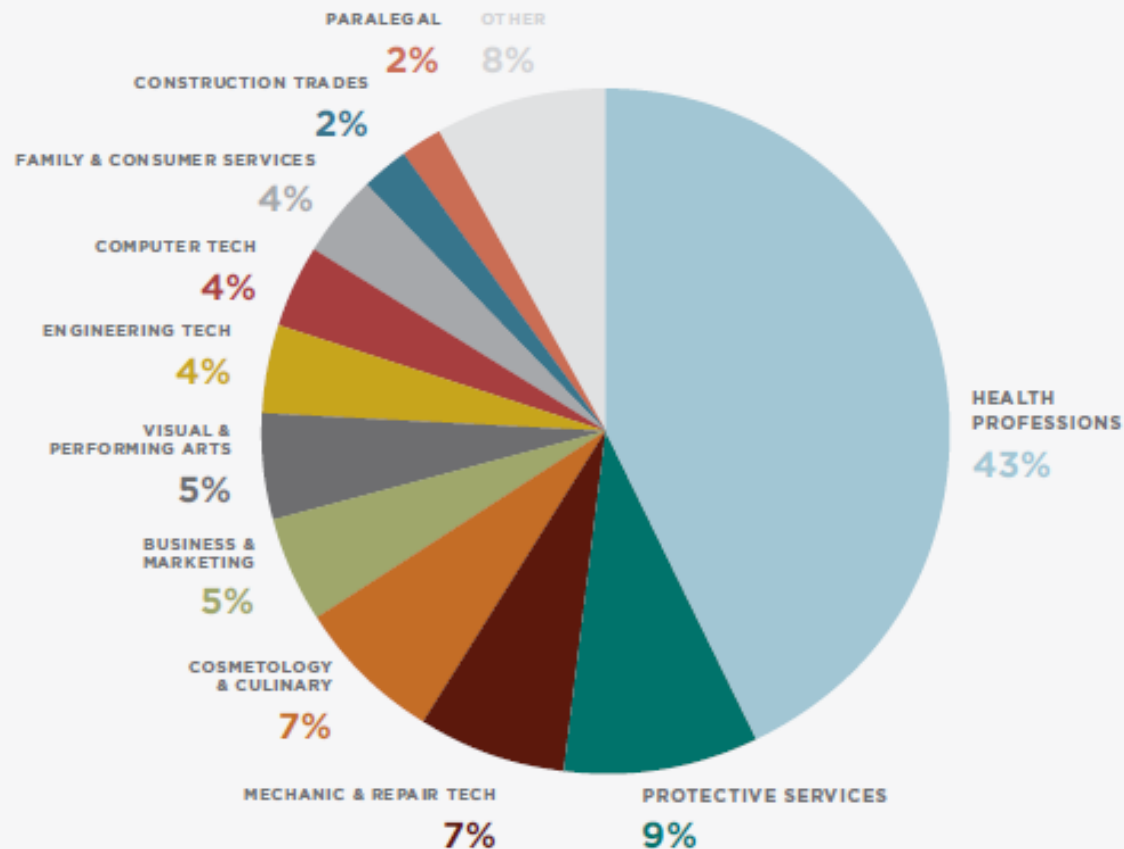
Majors	OVERALL RANK	ASIAN	BLACK/AFRICAN AMERICAN	HISPANIC/LATINO	WHITE	NONRESIDENT ALIEN	AMERICAN INDIAN/ALASKA NATIVE	NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER	TWO OR MORE RACES	UNKNOWN
Business, Management, Marketing & Related Support Services	1	1	1	1	1	1	N/A	N/A	N/A	N/A
Social Sciences	2	3	2	2	2	2	N/A	N/A	N/A	N/A
Psychology	3	6	3	3	4	5	N/A	N/A	N/A	N/A
Visual & Performing Arts	4	7	5	4	3	3	N/A	N/A	N/A	N/A
Biological & Biomedical Sciences	5	2	8	9	6	6	N/A	N/A	N/A	N/A
Health Professions & Related Programs	6	4	4	5	5	10	N/A	N/A	N/A	N/A
Engineering	7	5	15	11	8	4	N/A	N/A	N/A	N/A
Communication, Journalism & Related Programs	8	8	6	8	7	7	N/A	N/A	N/A	N/A
English Language & Literature/Letters	9	12	9	10	9	15	N/A	N/A	N/A	N/A
Liberal Arts & Sciences, General Studies & Humanities	10	15	12	7	10	13	N/A	N/A	N/A	N/A
Homeland Security, Law Enforcement, Firefighting & Related Protective Service	11	18	7	6	17	27	N/A	N/A	N/A	N/A
Computer & Information Sciences & Support Services	12	9	11	19	14	9	N/A	N/A	N/A	N/A
Parks, Recreation, Leisure & Fitness Studies	13	14	16	15	11	17	N/A	N/A	N/A	N/A

The numbers for American Indian/Alaska Native, Native Hawaiian/Pacific Islander, two or more races and unknown were too small for ranking analysis.

A look at Sub-Baccalaureate majors

- Overall, health professions major grew from 32% of all credentials in 2004 to 43% in 2013
- Largest increase seen at for-profits with a 250% increase (~7K in 2004, ~24.5K in 2013)
- The top producer of all of these degrees (with the exception of the paralegal major) is the for-profit segment.
- 92% of all sub-baccalaureate credentials awarded are in one of the top ten majors

Top Ten Vocational Sub-baccalaureate Majors in 2013



Sub-Baccalaureate majors by race

Top Majors Among Sub-Baccalaureate Credential Recipients Overall and by Race/Ethnicity, 2013

Majors	OVERALL RANK	ASIAN	BLACK/AFRICAN AMERICAN	HISPANIC/LATINO	WHITE	NONRESIDENT ALIEN	AMERICAN INDIAN/ALASKA NATIVE	NATIVE HAWAIIAN/OTHER PACIFIC ISLANDER	TWO OR MORE RACES	UNKNOWN
Health Professions	1	1	1	1	1	2	N/A	N/A	N/A	N/A
Protective Services	2	6	2	2	3	8	N/A	N/A	N/A	N/A
Mechanic & Repair Tech	3	2	4	3	4	7	N/A	N/A	N/A	N/A
Cosmetology & Culinary	4	4	3	4	6	6	N/A	N/A	N/A	N/A
Business & Marketing	5	8	7	8	10	4	N/A	N/A	N/A	N/A
Visual & Performing Arts	6	3	5	7	2	1	N/A	N/A	N/A	N/A
Engineering Tech	7	9	8	5	7	9	N/A	N/A	N/A	N/A
Computer Tech	8	5	6	10	5	5	N/A	N/A	N/A	N/A
Family & Consumer Sciences	9	7	9	6	8	3	N/A	N/A	N/A	N/A
Construction Trades	10	11	10	9	11	11	N/A	N/A	N/A	N/A
Paralegal	11	10	11	11	9	10	N/A	N/A	N/A	N/A

The numbers for American Indian/Alaska Native, Native Hawaiian/Pacific Islander, two or more races and unknown were too small for ranking analysis.

Persistent Challenges to California's Higher Education System



Implications for Policy

FOCUS	Focus on overall degree attainment, and majors within degrees <ul style="list-style-type: none">• Improve guidance for students
ALIGN	Align course curricula with economic needs <ul style="list-style-type: none">• Address temporal challenges between workforce and higher ed
RE-ENGAGE	Re-engage adult learners, most of whom are already in the labor market but lacking a degree or credential

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