Data-Informed Decision-Making

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California Community Colleges

ALIGNED RESOURCES AND PROGRAMS TO PUT STUDENTS FIRST

THE WHY
Our Students and Communities

THE WHAT
Vision for Success

GOALS

- Increase certificates and degrees
- Increase transfer to CSU and UC
- Decrease units to complete
- Increase employment in field of study
- Close equity gaps
- Close regional achievement gaps

THE HOW
Guided Pathways

PILLARS

- Clarify the path
- Enter the path
- Stay on the path
- Ensure students are learning

THE TOOLS
System-level Support

PROGRAM ALIGNMENT AND SUPPORT

- Developmental Ed. Reform (AB 705)
- California Promise (AB 19)
- Associate Degrees for Transfer
- Regulatory Reform

FISCAL REFORM

- Student Centered Funding Formula
- Guided Pathways allocations
- Student Equity and Achievement Program

POLICY CONNECTIONS

- Student Success Metrics
- Vision Resource Center
- Investment in staff and faculty
- Regional support strategy
- Local Board goals (AB 1809)

Four Pillars of Guided Pathways

Create clear curricular pathways to employment and further education.

Help students choose and enter their pathway.

Help students stay on their path.

Ensure that learning is happening with intentional outcomes.

Student Journey

A recent high school graduate that wants to transfer to a 4-year university, a working parent that wants to learn new technologies to get a wage increase or save his job, a single-mom working two jobs with kids at home, a 65-years old retiree that wants to learn French… They all have different career and educational goals! They have different needs for guidance, service, and support.

CALIFORNIA COMMUNITY COLLEGES STUDENT JOURNEY MAPS

Student Journey #1: **Tara Shaw**

Tara is a new high school graduate with need for remediation in English and Math and need for financial aid.

Primary Goal:
Transfer to a four-year college

Main Challenges:
Placed into courses below her ability, with no way to re-place for another 18 months.

Occupation:
None

Age:
18 Years Old

Attributes:
Transfer student

"I'm excited to be a college student, but there are so many steps to figure out."

CURRENT EXPERIENCE

Tara was introduced to her local community college in high school. The college provided assessment testing for her college for senior students at no cost. Tara's family did not have the means to send her directly to a university, so she participated in this assessment. Although Tara had taken pre-calculus and English Literature at her high

CALIFORNIA COMMUNITY COLLEGES STUDENT JOURNEY MAPS

Student Journey #2: **Darrin Chambers**

Darrin is a low-income African-American returning student with a wife and two children. He currently works two jobs.

Primary Goal:
Earn a one-year certificate in automotive tech and spend weekends with his family

Main Challenges:
Most college support services are closed by the time he gets off work, and he needs financial aid assistance

Occupation:
Manufacturing

Age:
28 Years Old

Attributes:
Working Parent, Married

"College is really hard for working students and I wish there were more services available in the evenings."

CURRENT EXPERIENCE

Darrin had heard of community colleges, but he always thought that college was for the privileged. He couldn't imagine how with two kids, a wife, and two jobs he could possibly complete college, until one of his coworkers in

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Simplifying the Metrics

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Principles

1. The focus will be strictly on students and their educational journeys from recruitment to completion.
2. The outcome will be ONE set of metrics for the system drillable for details.
3. Equity will be observed across all metrics.
4. Metrics will align the progression of students along various initiatives.
5. Each metric will be valid, drillable, measurable, and critical.
6. The delivery of each metric will be planned including the need for possible legislative work.
7. The process of simplification does not eliminate current data but ensures consistency of data in terms of definitions, source, and timing.

Student Types Based on Goals

Adult Education/ESL

- Improve basic skills in English, reading or math
- Complete credits for high school diploma or GED
- Move from noncredit coursework to credit coursework

Short-term Career Education

- Discover/formulate career interests, plans, goals
- Prepare for a new career (acquire job skills)
- Advance in current job/career (update job skills)
- Maintain certificate or license (e.g. Nursing, Real Estate)
- Earn a career technical certificate without transfer

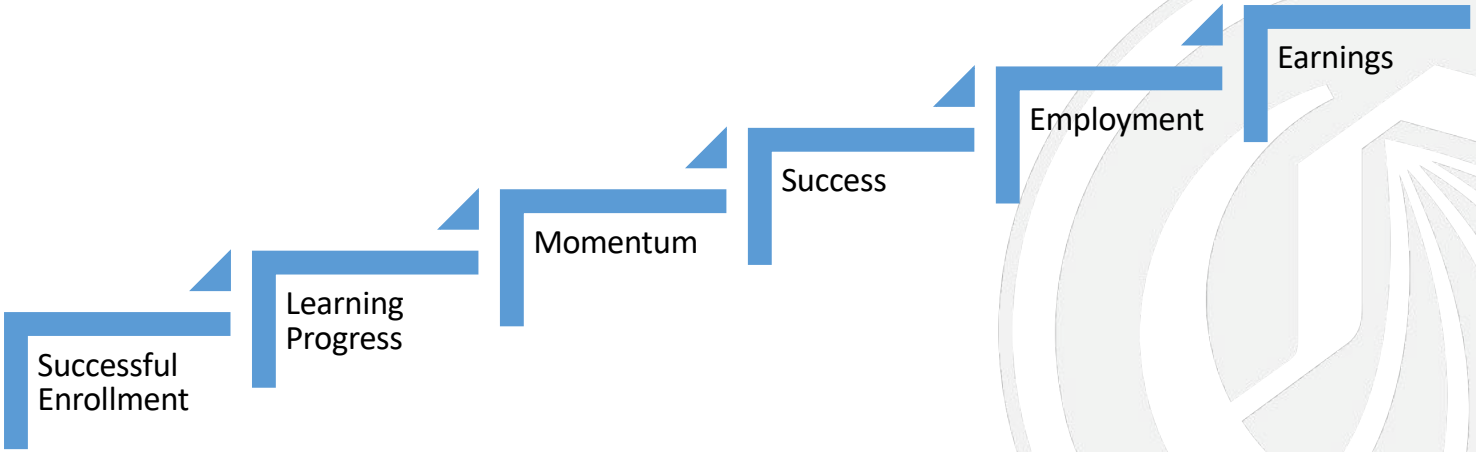
Degree/Transfer

- Obtain an associate degree and transfer to a baccalaureate granting institution
- Transfer to a baccalaureate granting institution without an associate degree
- Obtain a two-year associate degree without transfer

Undecided/Other

- Undecided on goal
- Pursue educational development (intellectual, cultural)
- University / 4-year college student taking courses to meet university / 4-year college requirements
- No goal data

Metrics Focus on Six Progression Steps



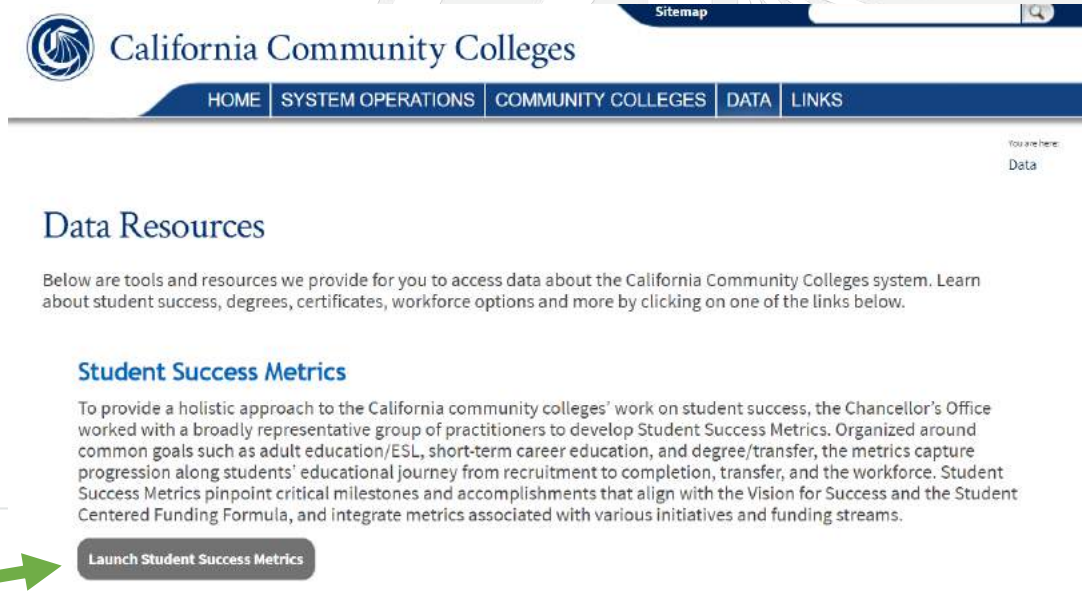
Different metrics were selected for each progress step, based on appropriate milestones and outcomes for the student's goal

Accessing the Student Success Dashboard

Navigate from the CCCCO Website: http://cccco.edu/Data.aspx

Google: Student Success Metrics Dashboard

Log on directly: http://cccco.edu/StudentSuccessMetrics



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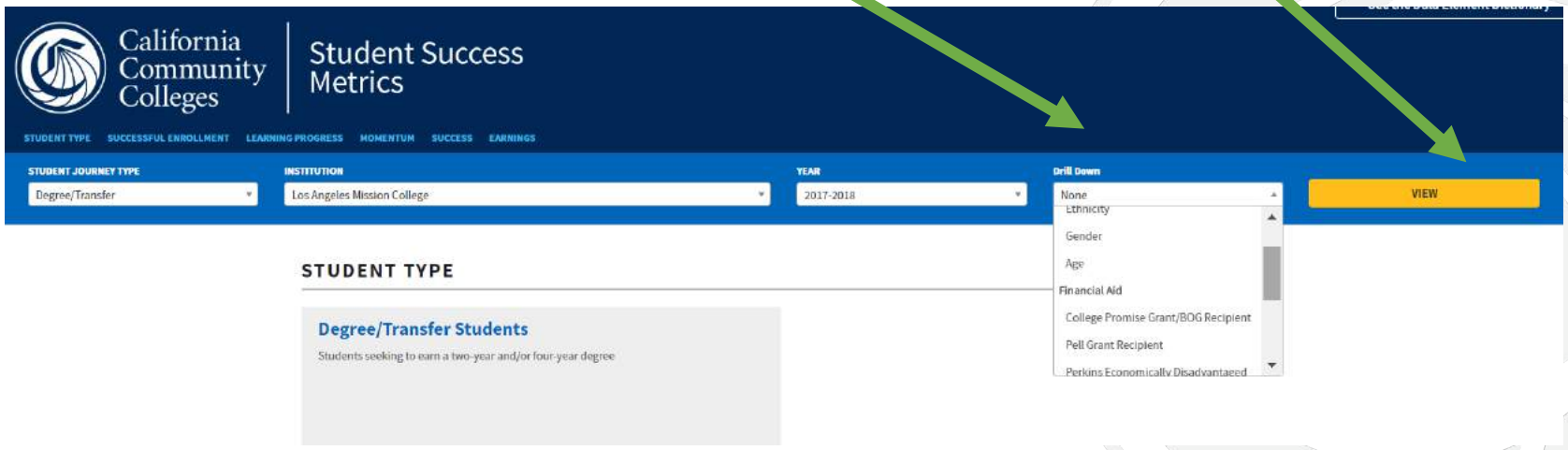
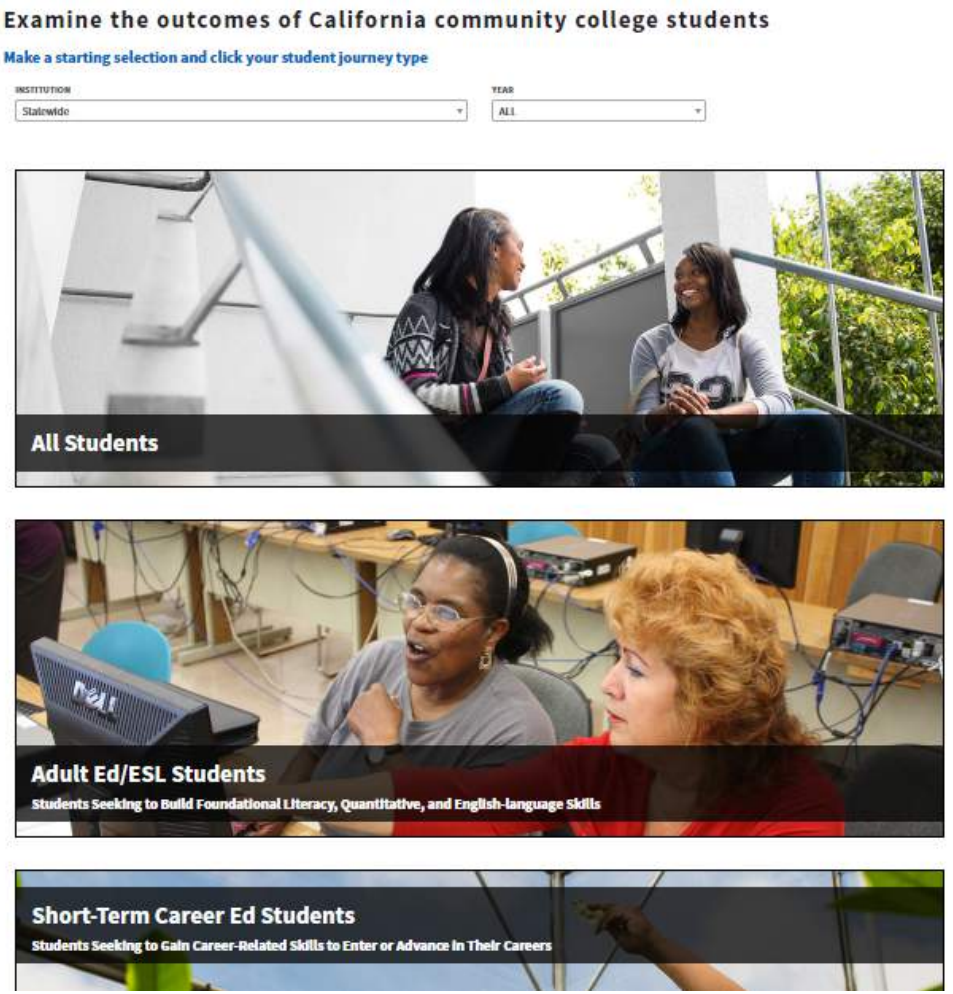
Select desired disaggregation and click the VIEW button



Scroll down and select a student journey type



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See comprehensive information on how the metrics are constructed

Export the data you've selected

Skip to a specific phase of student journey

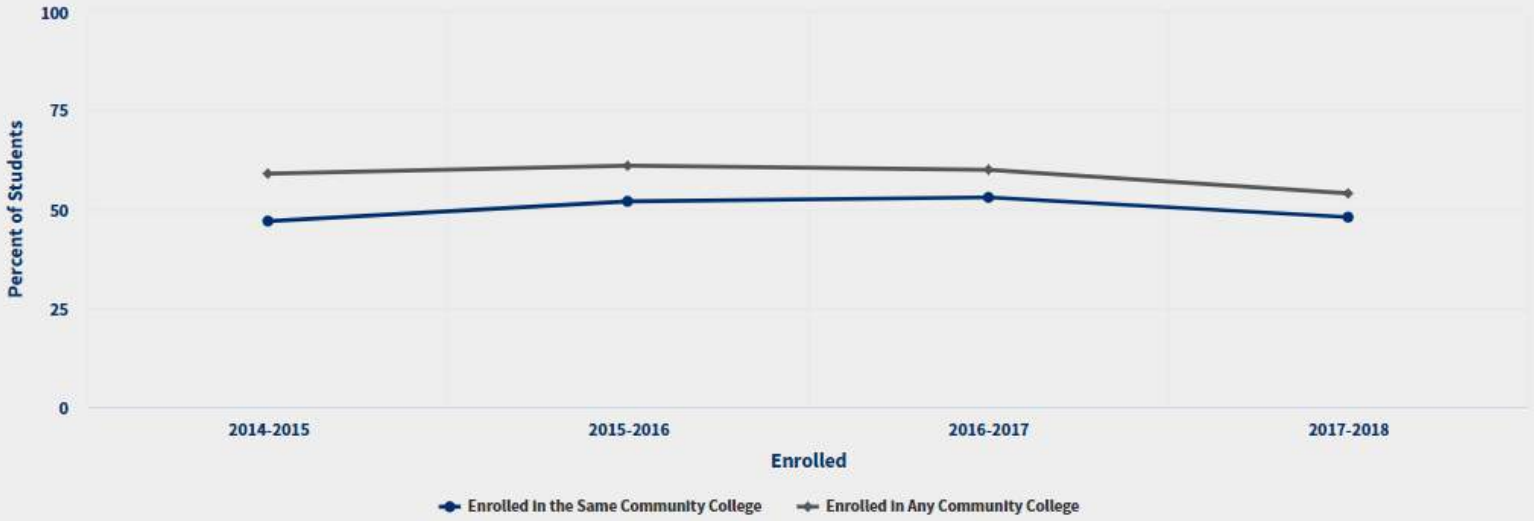
New Metric

SUCCESSFUL ENROLLMENT

The California Community College common application system, CCCApply, is the source of data for this metric. The adoption of CCCApply has been incremental, so information is not available for 32 colleges in 2014-15, 7 colleges in 2015-16, and 3 colleges in 2016-17. The successful enrollment section includes all students who completed an application, based on the goal they indicated in their application, while subsequent metrics show figures based on students' informed goals after meeting with a counselor.

Enrolled in a Community College

Among all applicants in the previous or selected year, the proportion who enrolled in a community college in the selected year



(Hover for Detailed Information)

Source: CCC Apply, Chancellor's Office Management Information System

Technical Definition

California Community Colleges

Need to better understand onboarding

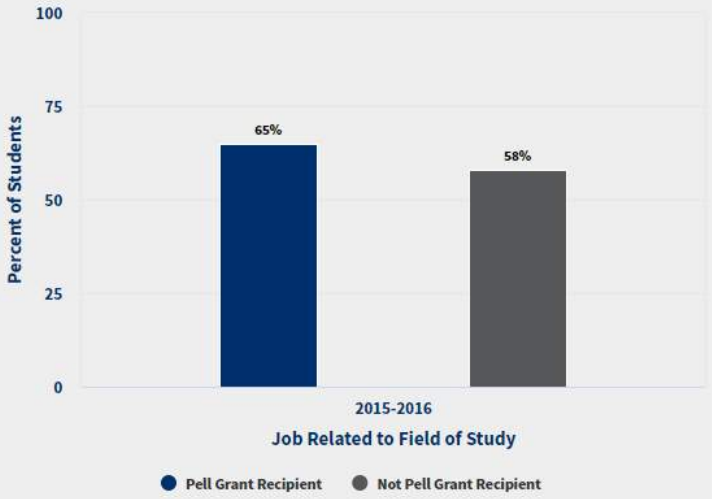
Academic Year	Completed Applications Forwarded	First-Time Enrolled
2016-17	2.1M	604K
2017-18	2.5M	615K

Some disaggregations show all options in one tile

EMPLOYMENT

Job Closely Related to Field of Study

Among degree/transfer students who responded to the CTE Outcomes Survey and did not transfer, the proportion who reported that they are working in a job very closely or closely related to their field of study



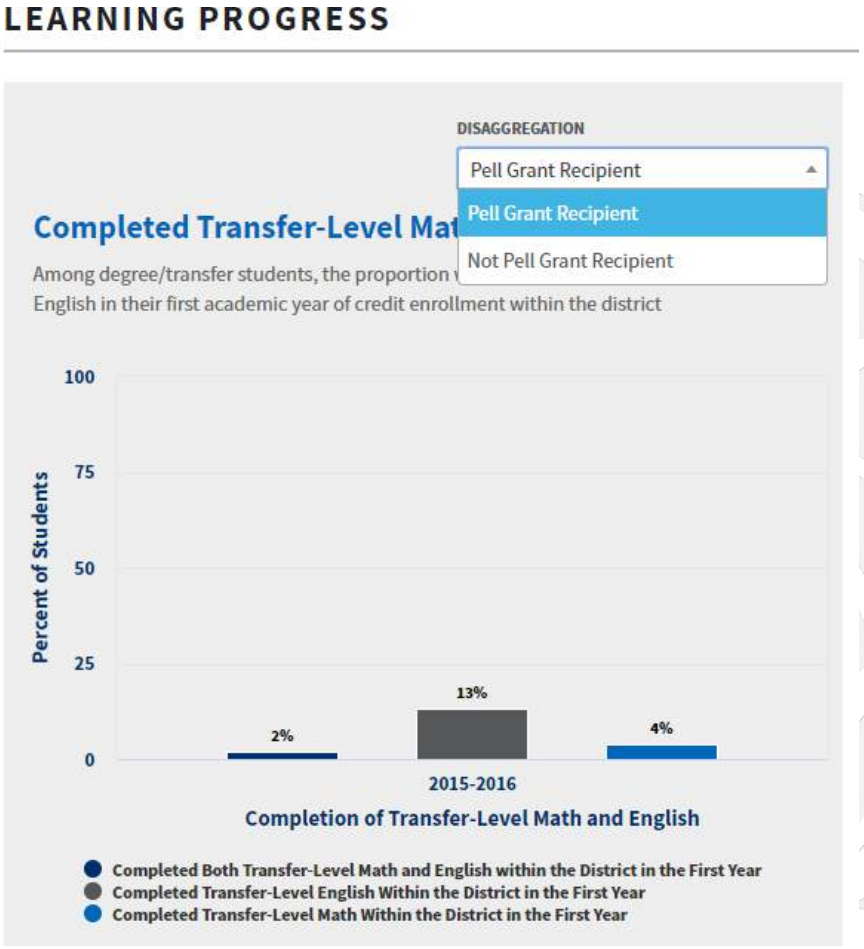
(Hover for Detailed Information)

Source: Chancellor's Office Management Information System, CTE Outcomes Survey, National Student Clearinghouse, CSU/UC Match

Technical Definition

California Community Colleges

Others allow you to see related metrics for each disaggregation category



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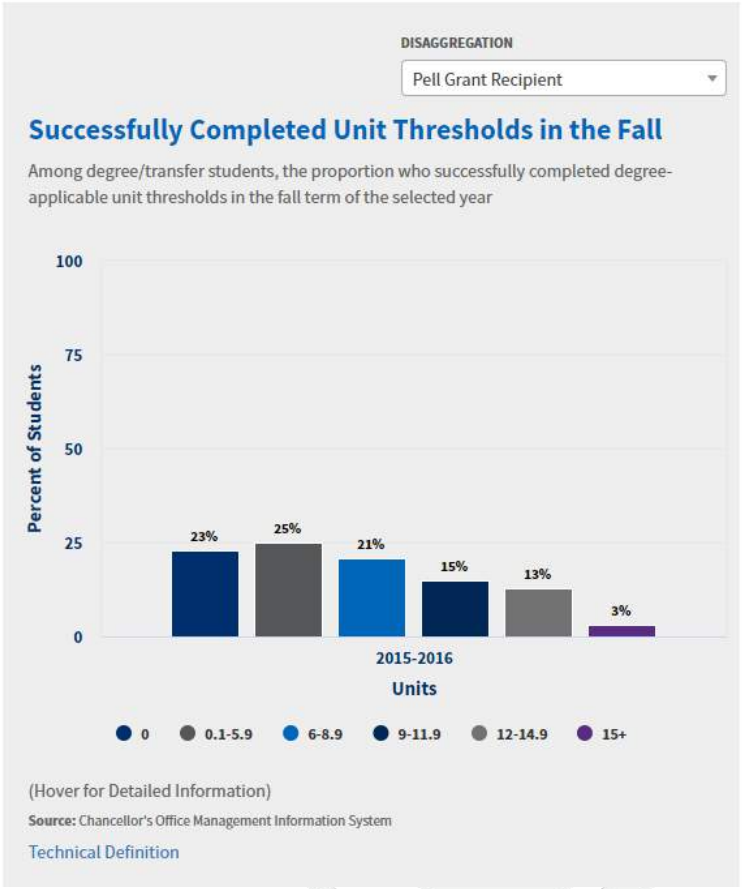
See a plain language definition

Identify the source of the data

Click on the “Technical Definition” link to get detailed information on how each metric is constructed



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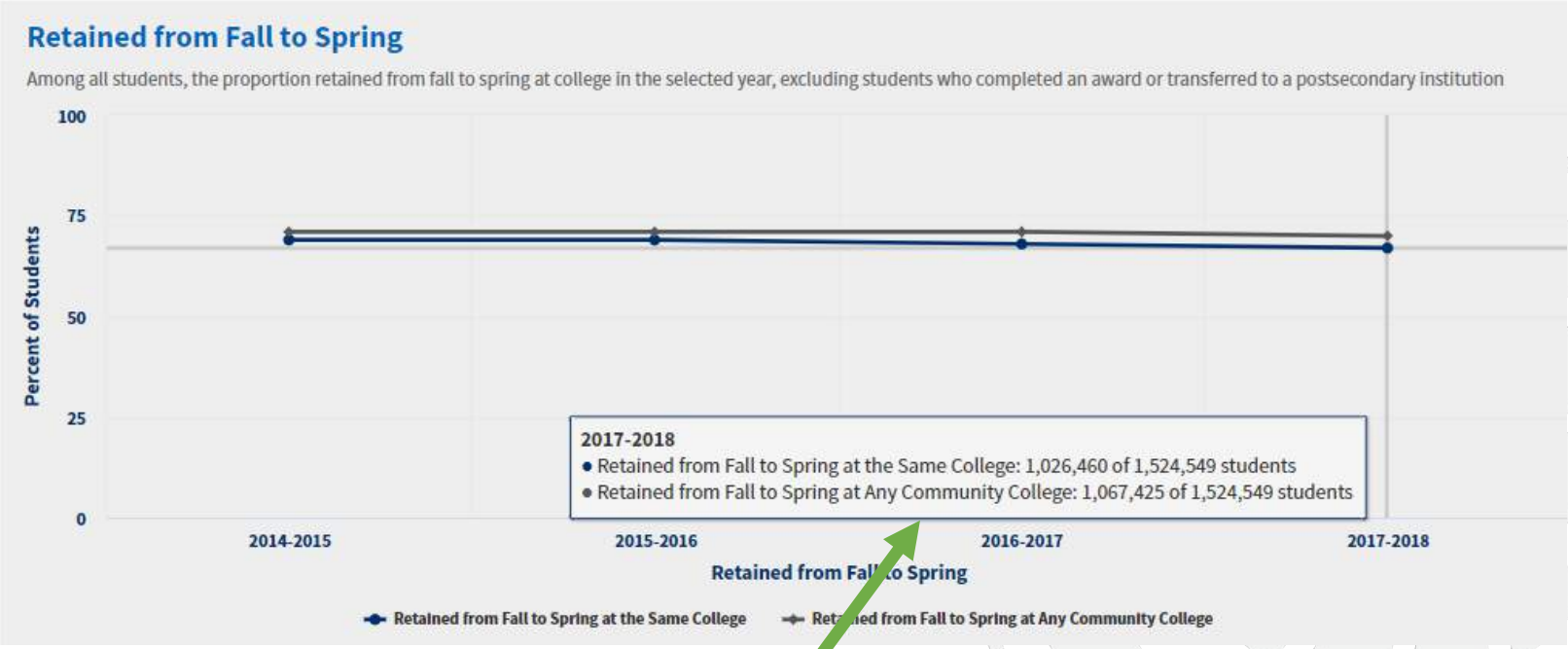
Access additional information on data recency and technical definitions at the bottom of the page

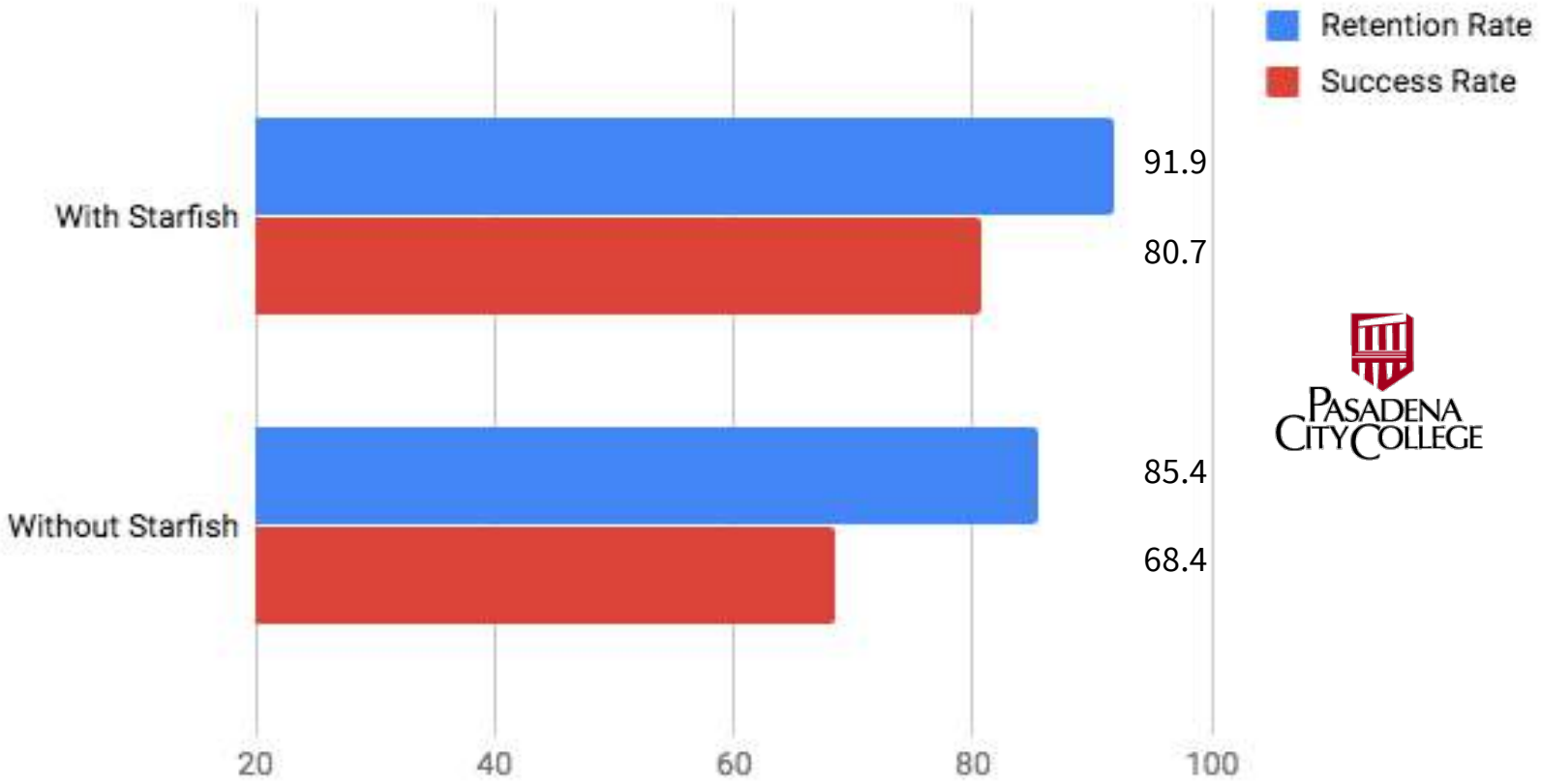
Find out more about the data in the Student Success dashboard

- Student goal information from the Chancellor's Office Management Information System (MIS) or CCC Apply last updated on 12/07/2018
- Milestone and completion information from the Chancellor's Office Management Information System (MIS) last updated on 12/07/2018
- Employment and earnings information from the Employment Development Department Unemployment Insurance (UI) wage file last updated on 01/09/2019
- Employment and earnings information from the CTE Outcomes Survey last updated on 10/16/2018
- Summary of Metrics by Journey Type
- Alignment of Student Success Metrics
- Changes in Definitions
- Discrepancies Between Student Success Metrics and Other Dashboards



Hover over charts to see the number of students included in the metric

California Community Colleges



PASADENA CITY COLLEGE

California Community Colleges

Reduce the number of options on complex charts by clicking on items in the legend

California Community Colleges

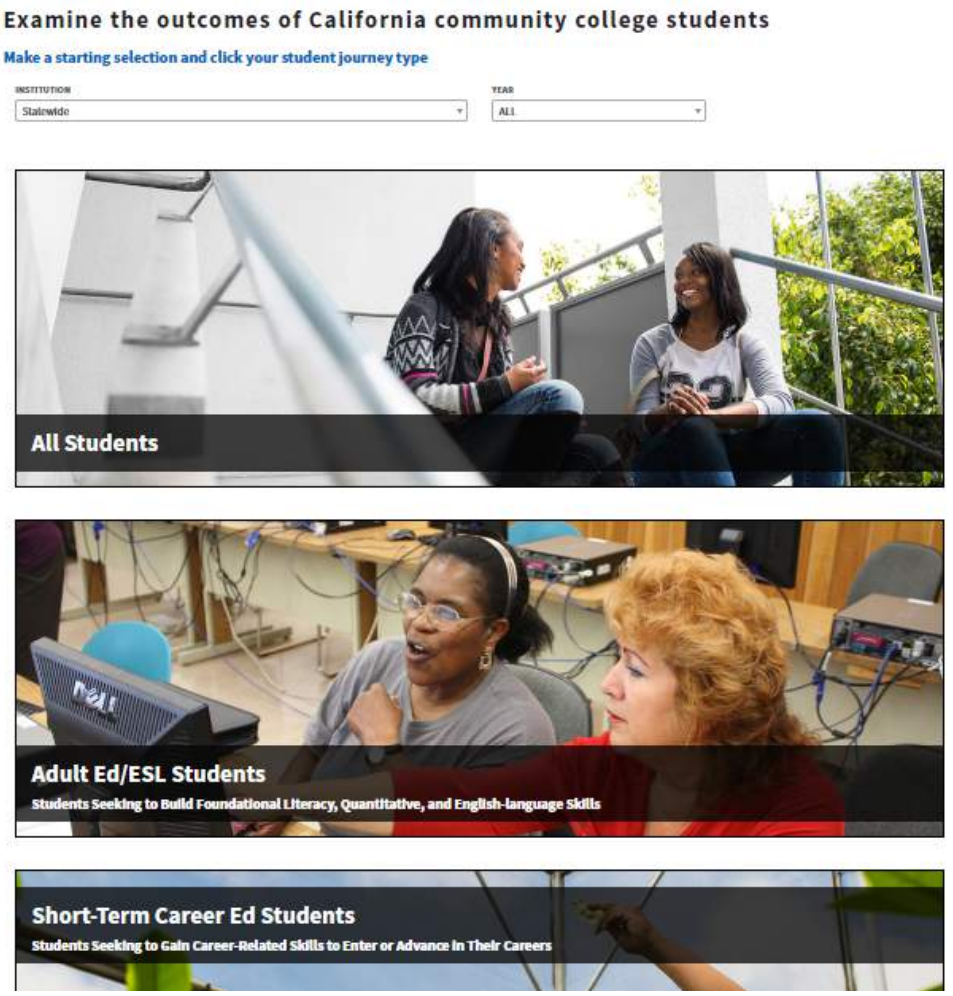
California Community Colleges

	Title	n	AvgYears	AvgCoursesAtt	AvgUnitsEarned	AvgSchools
2	Business Administration	24543	4.20	29.03	86.92	1.66
3	Psychology	15704	3.97	27.85	81.15	1.55
4	Administration of Justice	8344	4.05	29.63	85.70	1.53
5	Communication Studies	8025	3.94	28.62	80.79	1.62
6	Sociology	7333	4.27	29.31	83.82	1.65
7	Mathematics	4215	4.16	30.67	100.30	1.68
8	History	2909	4.13	28.09	80.33	1.50
9	English	2770	4.17	28.79	83.25	1.52
10	Early Childhood Education	2593	4.93	33.12	95.00	1.66
11	Kinesiology	2527	4.10	31.78	89.04	1.69
12	Political Science	2526	3.54	27.36	78.39	1.61
13	Studio Arts	1594	4.37	32.29	93.64	1.47
14	Physics	1558	4.31	32.38	107.69	1.67
15	Economics	1305	3.37	27.03	83.44	1.68
16	Anthropology	1037	4.41	29.62	83.13	1.72
17	Journalism	617	3.95	29.48	83.65	1.48
18	Elementary Teacher Education	550	3.80	28.10	82.45	1.56
19	Spanish	526	4.49	29.52	89.22	1.66
20	Theatre Arts	494	4.09	34.79	94.41	1.40
21	Art History	487	4.75	32.63	92.80	1.67
22	Philosophy	366	4.25	28.73	82.19	1.58
23	Geography	325	4.30	30.58	86.00	1.66
24	Music	295	4.38	45.72	98.69	1.35
25	Computer Science	265	4.23	32.76	100.46	1.50
26	Biology	167	3.98	31.77	103.84	2.00
27	Film, Television, and Electronic Media	89	3.94	29.93	84.24	1.94
28	Geology	89	4.75	33.15	104.68	1.60
29	Agriculture Business	40	3.60	30.35	89.98	1.53
30	Nutrition and Dietetics	27	3.79	26.52	90.71	1.56
31	Chemistry	27	3.82	32.41	105.24	1.85
32	Agriculture Animal Science	16	3.60	35.31	99.28	1.88
33	Agriculture Plant Science	7	4.54	26.57	76.14	2.29
34	Studio Art	5	5.43	40.80	111.60	1.40
35						
36		91375				

1	Title	n	AvgYears	AvgCoursesAtt	AvgUnitsEarned	AvgSchools
154	Business Administration	30	2.84	24.77	75.58	1.27
155	Business Administration	126	3.73	24.29	75.61	2.62
156	Business Administration	59	4.01	24.41	75.66	1.51
157	Business Administration	543	3.57	25.01	76.08	1.73
158	Business Administration	122	3.79	25.39	76.95	1.13
159	Business Administration	79	3.53	25.87	78.86	1.28
160	Business Administration	12	2.44	29.83	79.17	1.25
161	Business Administration	79	3.62	27.77	79.46	1.35
162	Business Administration	73	3.50	25.68	80.10	1.78
163	Business Administration	14	4.93	28.00	80.32	1.21
164	Business Administration	134	4.05	28.72	80.58	1.43
165	Business Administration	159	3.84	26.42	80.77	1.96
166	Business Administration	384	3.62	27.02	80.92	1.91
167	Business Administration	563	3.71	26.92	80.95	1.35
168	Business Administration	302	3.84	26.09	81.28	1.41
169	Business Administration	21	3.65	26.95	81.35	1.43
170	Business Administration	275	3.99	26.79	81.41	1.81
171	Business Administration	20	3.52	27.50	82.00	1.45
172	Business Administration	192	3.77	26.96	82.04	2.54
173	Business Administration	847	4.05	27.70	82.42	2.40
174	Business Administration	75	4.73	28.43	82.47	2.45
175	Business Administration	158	4.28	27.91	82.58	1.39
176	Business Administration	44	3.84	26.68	82.61	1.43
177	Business Administration	103	4.30	27.76	82.86	1.95
178	Business Administration	153	4.14	26.80	83.08	1.54
179	Business Administration	100	3.69	27.36	83.09	1.56
180	Business Administration	566	4.04	28.67	83.09	1.29
181	Business Administration	179	3.30	27.33	83.18	1.40
182	Business Administration	200	4.20	29.45	83.36	1.40
183	Business Administration	281	3.63	26.86	83.99	1.45
184	Business Administration	307	4.35	27.56	83.99	1.25
185	Business Administration	61	4.06	26.49	84.10	3.36
186	Business Administration	85	4.35	28.80	84.25	1.61

1	Title	n	AvgYears	AvgCoursesAtt	AvgUnitsEarned	AvgSchools
225	Business Administration	108	5.01	29.76	89.56	2.36
226	Business Administration	319	4.30	31.96	89.80	2.18
227	Business Administration	64	4.16	29.89	89.92	1.81
228	Business Administration	299	4.53	29.78	90.38	1.79
229	Business Administration	559	4.72	33.09	90.56	1.81
230	Business Administration	66	4.30	28.82	90.62	2.36
231	Business Administration	201	4.53	29.25	90.94	1.37
232	Business Administration	50	5.07	29.04	91.04	2.80
233	Business Administration	450	4.76	28.86	91.50	2.11
234	Business Administration	272	4.89	31.05	91.55	1.94
235	Business Administration	151	4.50	32.42	91.70	1.32
236	Business Administration	243	4.45	30.45	91.85	1.30
237	Business Administration	63	4.58	28.86	91.88	3.24
238	Business Administration	615	3.99	29.86	91.97	1.29
239	Business Administration	26	4.49	32.31	92.10	1.42
240	Business Administration	181	4.52	29.83	92.44	1.23
241	Business Administration	70	4.55	32.47	92.64	2.20
242	Business Administration	50	4.24	30.46	93.52	2.18
243	Business Administration	117	3.60	30.03	94.25	1.20
244	Business Administration	321	4.84	33.88	94.37	2.07
245	Business Administration	194	4.30	28.51	94.69	1.52
246	Business Administration	107	4.24	30.49	95.12	1.48
247	Business Administration	602	4.62	30.84	95.20	1.41
248	Business Administration	12	4.72	30.50	95.54	3.67
249	Business Administration	248	4.49	31.76	95.72	1.79
250	Business Administration	47	4.82	31.34	96.03	2.06
251	Business Administration	38	4.94	32.03	98.45	2.68
252	Business Administration	412	5.01	32.89	99.88	1.30
253	Business Administration	93	4.40	31.77	102.42	1.28
254	Business Administration	13	5.67	36.69	106.69	2.08

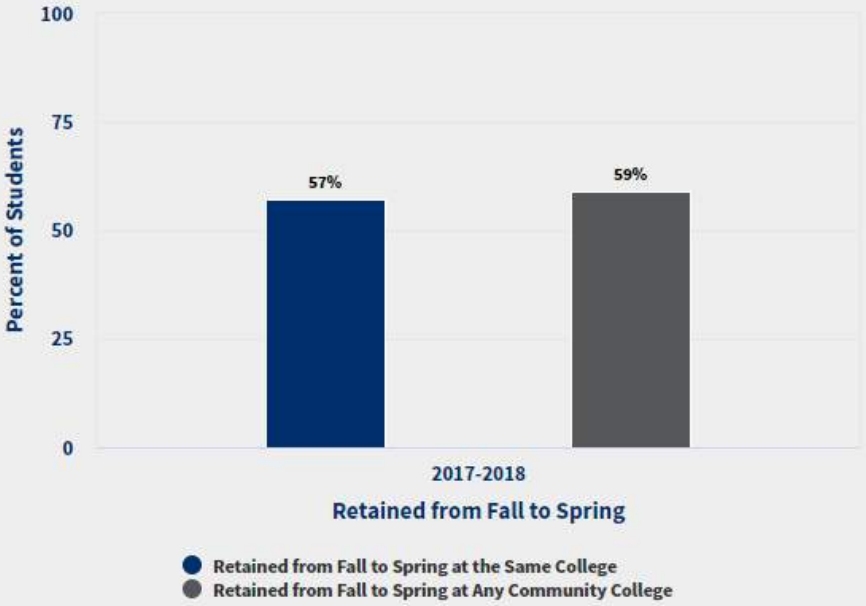
Importance of getting students on the right journey



California Community Colleges

Retained from Fall to Spring

Among undecided/other students, the proportion retained from fall to spring at college in the selected year, excluding students who completed an award or transferred to a postsecondary institution



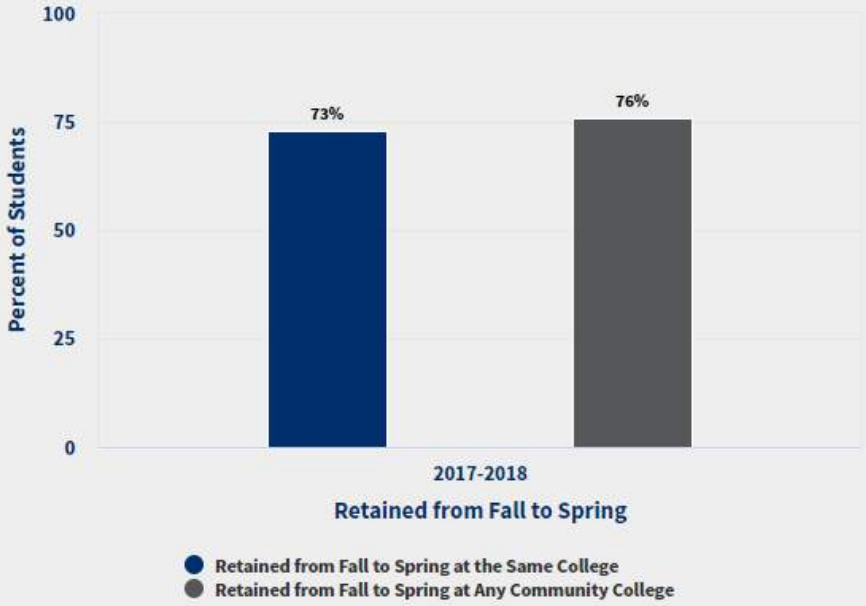
(Hover for Detailed Information)

Source: Chancellor's Office Management Information System National Student Clearinghouse CSU/UC Match

Technical Definition

Retained from Fall to Spring

Among degree/transfer students, the proportion retained from fall to spring at community college in the selected year, excluding students who completed an award or transferred to a postsecondary institution



(Hover for Detailed Information)

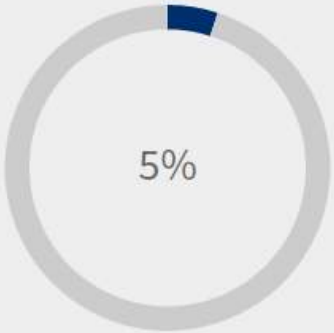
Source: Chancellor's Office Management Information System National Student Clearinghouse CSU/UC Match

Technical Definition

California Community Colleges

Earned 9+ Career Education Units

Among undecided/other students, the proportion who successfully completed nine or more career education units for semester schools, or 13.5 or more career education units for quarter schools, in the selected year within the district



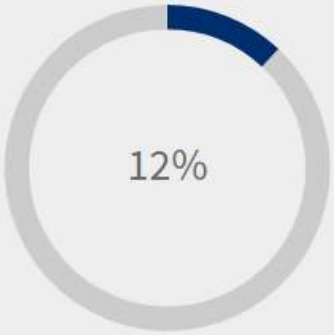
18,038 of 399,005 students in 2017-2018

Source: Chancellor's Office Management Information System

Technical Definition

Earned 9+ Career Education Units

Among short-term career education students, the proportion who successfully completed nine or more career education units for semester schools, or 13.5 or more career education units for quarter schools, in the selected year within the district



35,943 of 301,278 students in 2017-2018

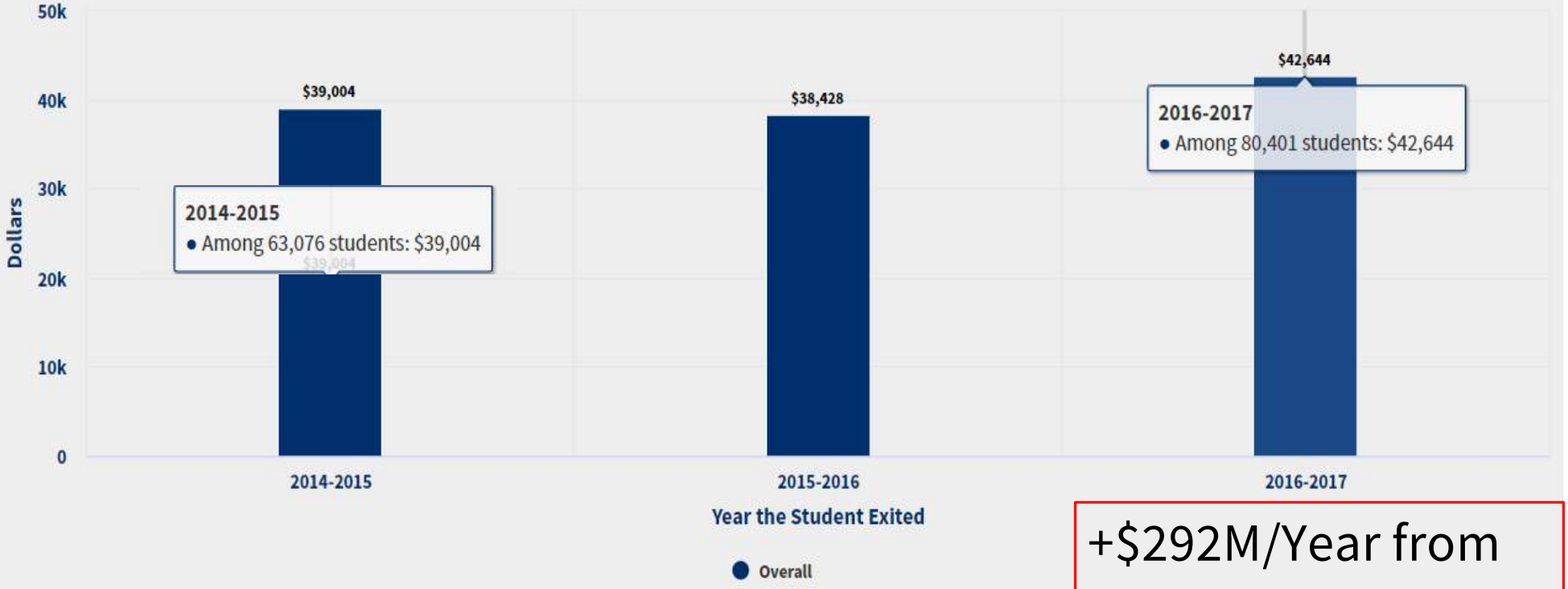
Source: Chancellor's Office Management Information System

Technical Definition

Median Annual Earnings

9+ CTE Units (SSM)

Among short-term career education students who exited the community college system and who did not transfer to any postsecondary institution, median earnings following the academic year of exit



+$292M/Year from 2014-15 to 2016-17

(Hover for Detailed Information)

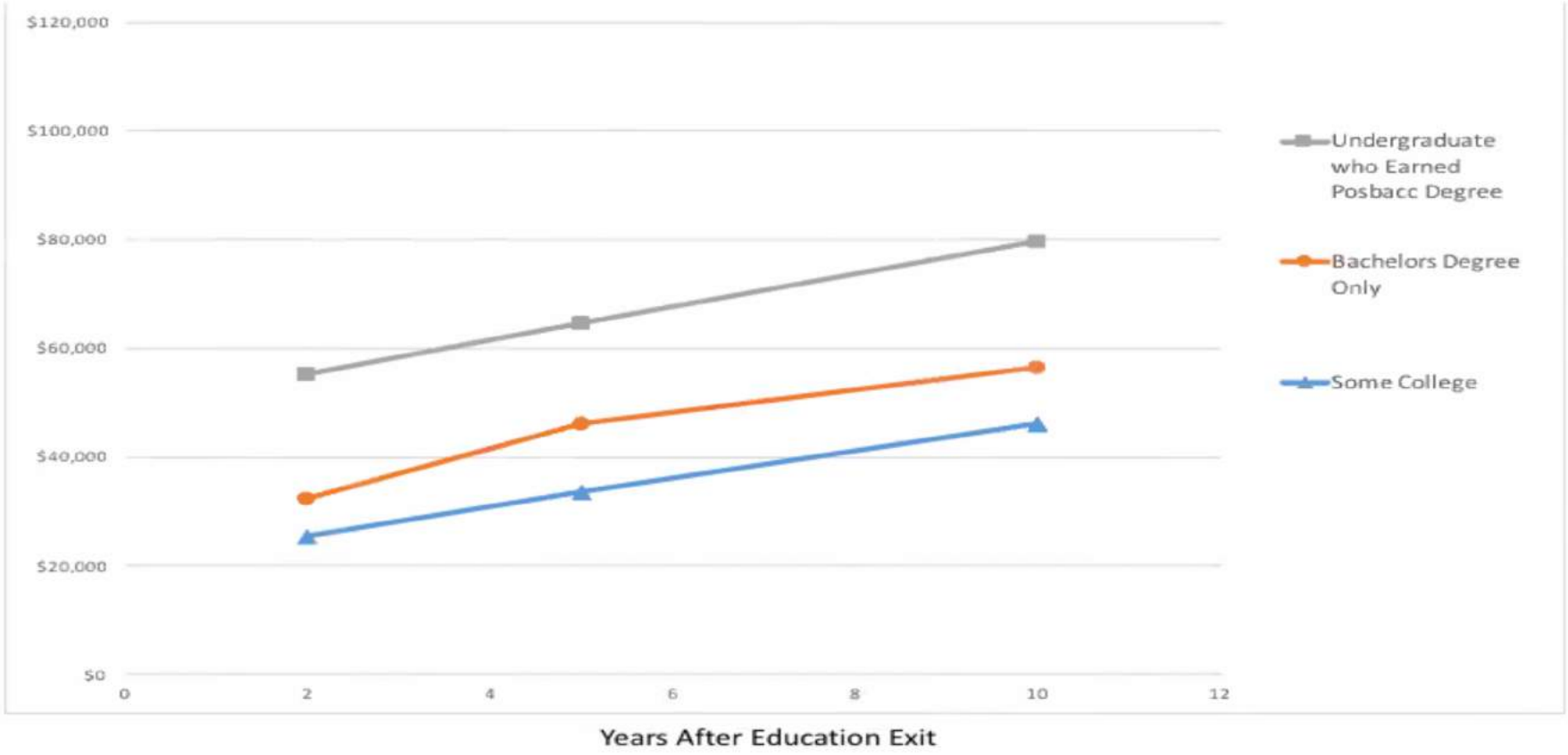
Source: Chancellor's Office Management Information System, Employment Development Department Unemployment Insurance Dataset, National Student Clearinghouse, CSU/UC Match

Technical Definition

Preliminary Data

SANTA MONICA COLLEGE

Median Annual Earnings – Some College, Bachelors Degree Only, & Undergraduates Who Earned Postbacc Degrees



To align with SCFF?

California Community Colleges

Base Allocation

FTES Workload Measures	Amount
Credit	$ 3,727
Non-Credit	$ 3,347
CDCP	$ 5,457
Special Admit Students	$ 5,457
Inmates in Correctional Facilities -Credit	$ 5,457
Inmates in Correctional Facilities – Non- Credit	$ 3,347

(enhanced NC, Dual-Enrollment for CTE)

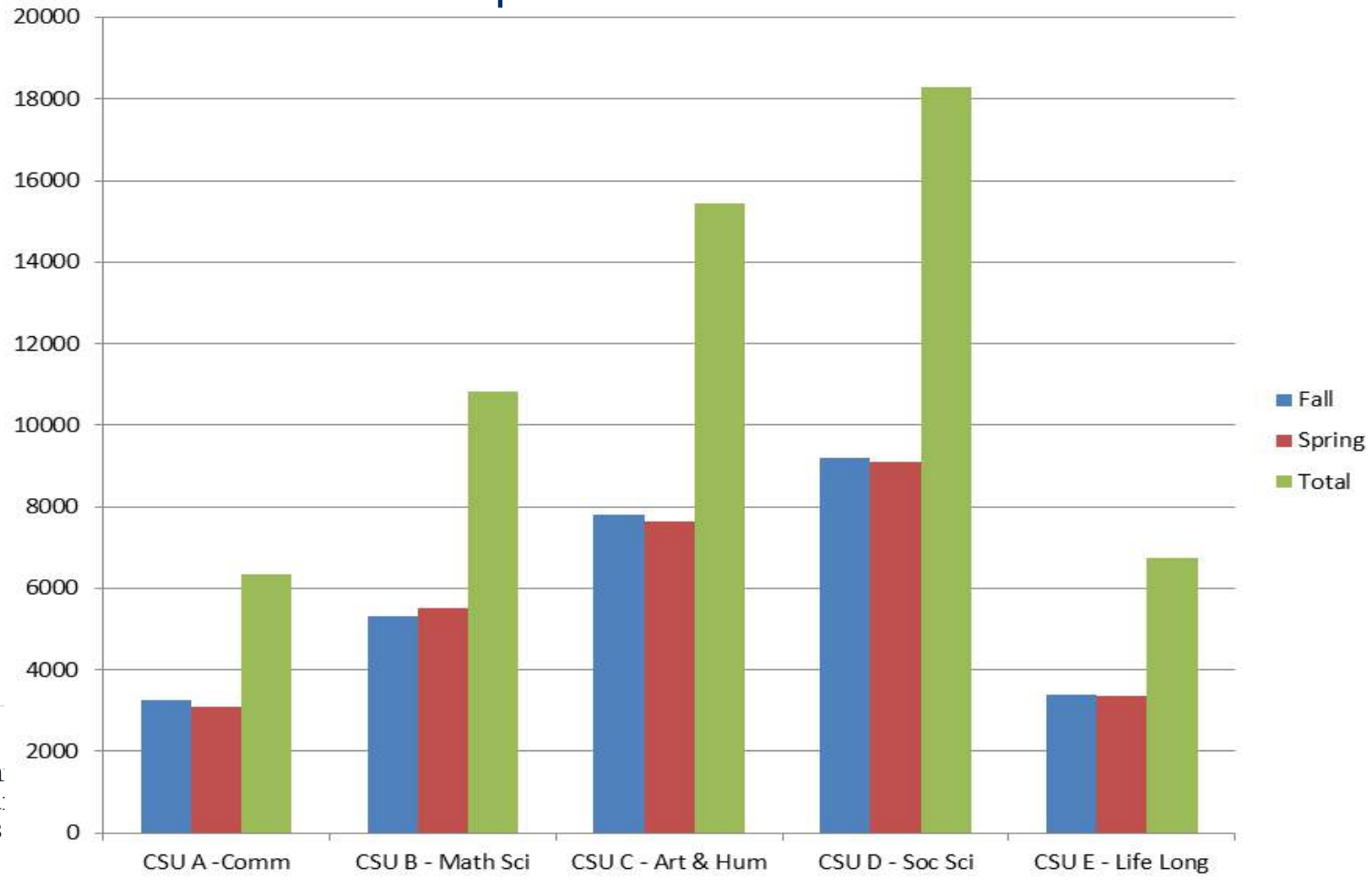
Supplemental Allocation

Category	Amount
Pell Grant Recipient	$ 919
Promise Grant Recipient	$ 919
AB-540	$ 919

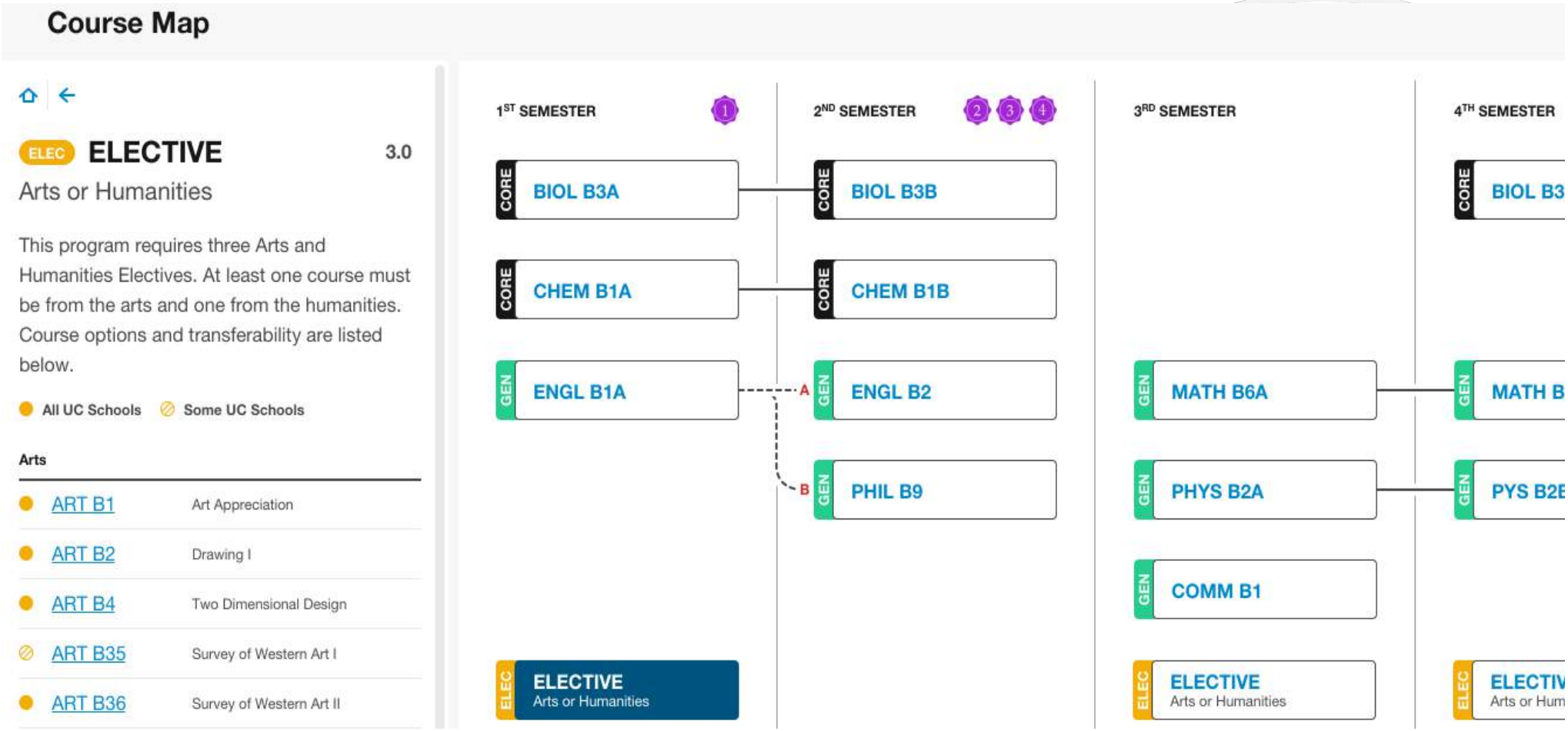
The Student Success Allocations Dollars

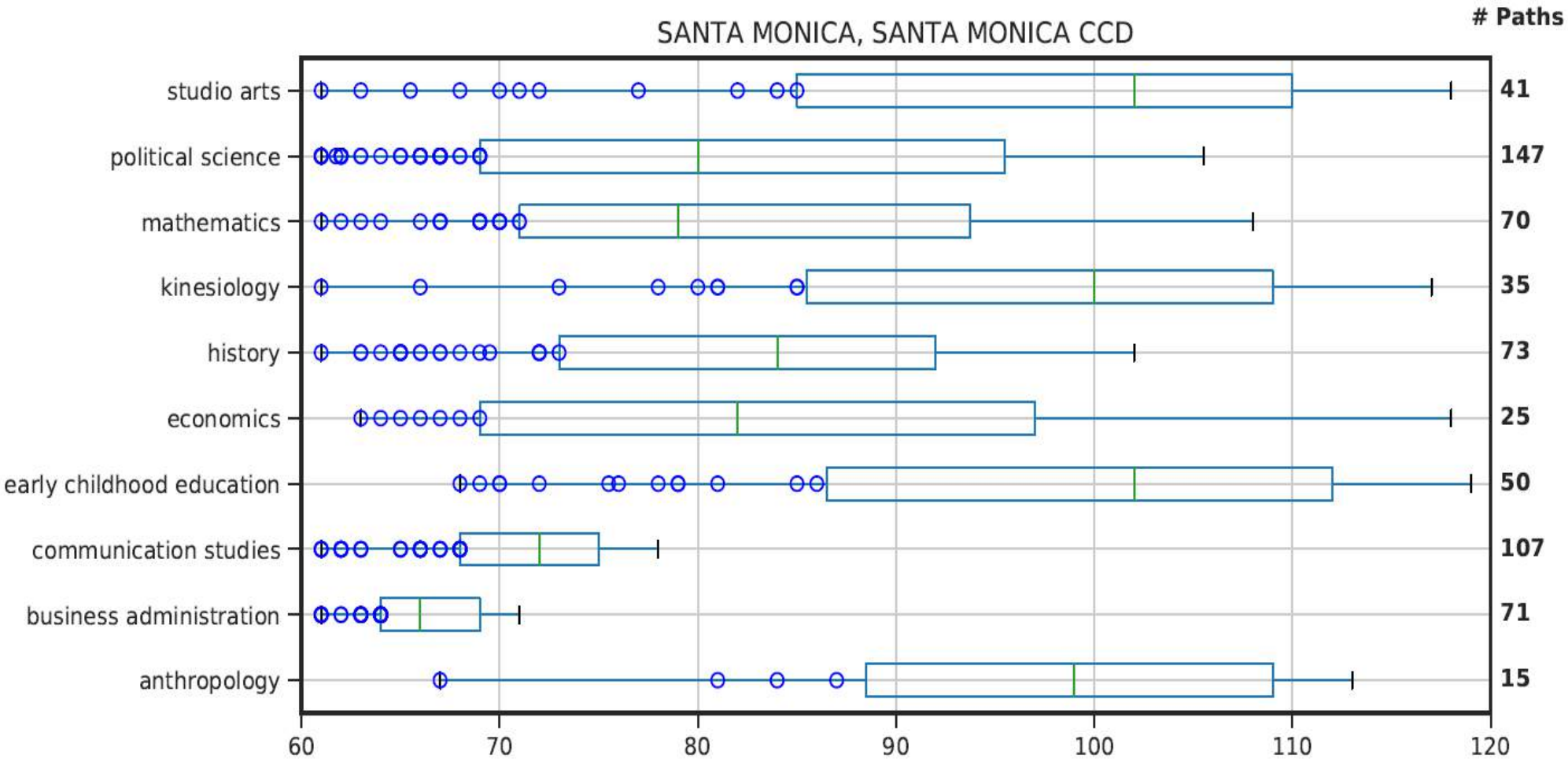
Student Success Allocation - Measures	All Students	Promise Premium	Pell Premium
Associate Degrees for Transfer (ADTs) granted	$ 1,760	$ 444	$ 666
Associate degrees granted (excluding ADTs)	$ 1,320	$ 333	$ 500
Baccalaureate degrees granted	$ 1,320	$ 333	$ 500
Credit certificates (16 units or more) granted	$ 880	$ 222	$ 333
Completion of transfer-level mathematics and English courses within first academic year of enrollment	$ 880	$ 222	$ 333
Successful transfer to four-year university	$ 660	$ 167	$ 250
Completion of nine or more CTE units	$ 440	$ 111	$ 167
Attainment of regional living wage	$ 440	$ 111	$ 167

Seats Offered vs. Completion



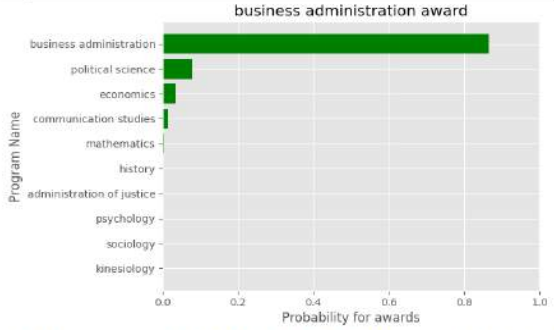
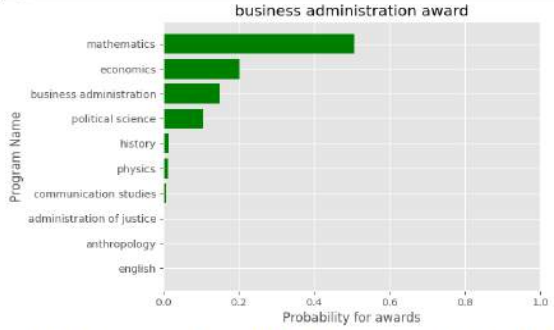
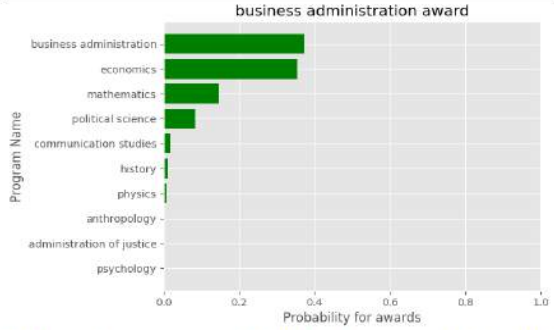
Clear Pathways




SANTA MONICA, SANTA MONICA CCD
Paths
studio arts
political science
mathematics
kinesiology
history
economics
early childhood education
communication studies
business administration
anthropology
41
147
70
35
73
25
50
107
71
15
60
70
80
90
100
110
120

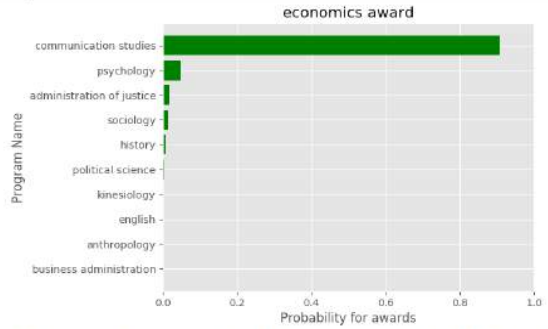
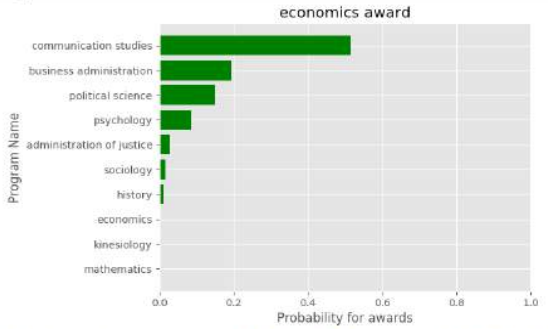
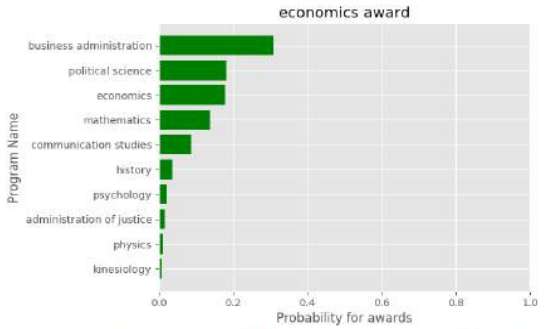
Model to Predict Probability of BUSINESS ADMINISTRATION

Partial student paths suggest options for future awards

1/4th Path	1/2 Path	Full Path
		
ENGL1 COUNS11 MATH26 MATH2 ACCT120*	ENGL1 COUNS11 MATH26 MATH2 ACCT120* MATH211* MATH221* GEOL101* POLS120* ENGL105(ENGL115)*	ENGL1 COUNS11 MATH26 MATH2 ACCT120* MATH211* MATH221* GEOL101* POLS120* ENGL105(ENGL115)* FILM11 MUSIC1 BUS110* BUS125* COMM110* MATH10 BIOL2 CS3 CS80

Model to Predict Probability of ECONOMICS

Partial student paths suggest options for future awards

1/4th Path	1/2 Path	Full Path
		
MATH20 COUNS11 COMM120* MATH32 PSY110*	MATH20 COUNS11 COMM120* MATH32 PSY110* MATH2 ACCT110* SOCI110* ECON201* PSY150* JAPAN1	MATH20 COUNS11 COMM120* MATH32 PSY110* MATH2 ACCT110* SOCI110* ECON201* PSY150* JAPAN1 ENGL105(ENGL115)* ECON202* MATH211* JAPAN2 ARTH120* MATH211* BOTANY1 MATH221* FILM2 ASTRON1 MATH110*

Path: Business Administration

(1) Spring Semster		
bsadb1	Financial	4.0
econb1	Principles	3.0
theat172	Introducti	3.0
spchb1	Public spe	3.0

(2) Summer Term		
histb18b	History of	3.0
crpsb10	Plant biol	4.0

(3) Fall Semester		
mathb23	Finite mat	3.0
econb2	Principles	3.0
commb5	Rhetoric a	3.0
bsadb2	Managerial	3.0

(4) Spring Semster		
mathb23	Finite mat	3.0
artb1	Art apprec	3.0
histb17a	History of	3.0
psycb1a	General ps	3.0
geolb11	Historical	3.0

(5)		

(6)		

(7)		

(8)		

(9)		

Total Units: 60.5

Ca
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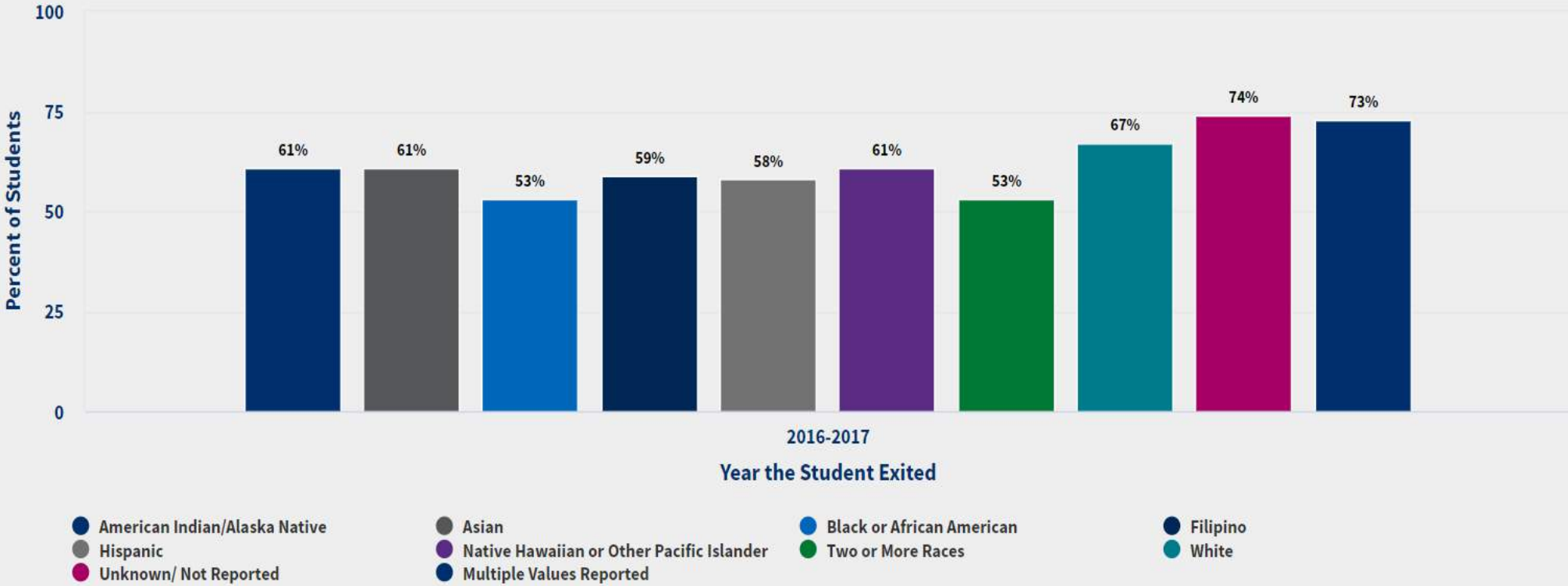
Attained the Living Wage

Among short-term career education students who exited the community college system and who did not transfer to any postsecondary institution, the proportion who attained the district county living wage for a single adult measured immediately following the academic year of exit



(Hover for Detailed Information)

Source: Chancellor's Office Management Information System, Employment Development Department Unemployment Insurance Dataset, National Student Clearinghouse, CSU/UC Match, Insight Center for Community Economic Development

Technical Definition

Next Steps

- Iterative progress with regular deliverables
- Tying the data to best-practices and support
- Better representing equity outcomes (DI data)
- Unpacking the data across gaps and barriers
- Increasing data flow to colleges

Thank you!

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opourzanjani@cccco.edu

California Community Colleges