

DATE: February 17, 2022

TO: Josh Pelletier, Supervisor, Student Outreach & CTE Transitions

FROM: Elaine Kuo, College Researcher

RE: Dual Enrollment CCAP/MOU Matriculation Tracking, 2020-21

Overview

High students enrolled in Foothill College's Dual Enrollment (CCAP/MOU) classes in 2020-21 were identified and tracked to determine the matriculation rate among this cohort into 2021-22 (Summer, Fall, Winter terms). This report examines 1,110 high school students enrolled in 97 sections in 2020-21. The Appendix includes more detailed information about matriculation rates by high school and ethnicity.

Highlights

- The Dual Enrollment program (among classes with 12th graders) enrolled more females compared to males (55% vs. 43%).
- The Dual Enrollment program (among classes with 12th graders) enrolled over half to two-thirds females of color compared to their male counterparts.
- Almost one-third of students enrolled in a Dual Enrollment class matriculated at Foothill in 2021-22 (31%).
- Dual Enrollment students from the Khan Lab School demonstrated the highest matriculation rate (71%) while Menlo Atherton High School students had the lowest (0%).
- Latinx students represent the largest enrollment group among the matriculated population (42%), followed by Asians (26%) and Whites (23%).
- Latinx students represent roughly one-fourth (26%) of the Dual Enrollment population, but almost half of the matriculated population (42%).
- Asian students represent roughly one-third (32%) of the Dual Enrollment population, but only one-fourth of the matriculated population (26%).
- While most of the matriculated students re-enrolled at Foothill (86%), a minority enrolled at De Anza only (10%).
- Course success rates among the matriculated students are slightly higher compared to overall Foothill rates at 85%.
- Students who matriculated at Foothill primarily enrolled in Business & Social Sciences (26%) and STEM (25%) classes.
- Course success rates gaps exist among matriculated students, especially between Filipinx (53%)/Pacific Islander (46%) and Asian (92%)/White (85%) students.

Dual Enrollment and Matriculation

Table 1 shows the Dual Enrollment program enrollment by ethnicity and gender. Slightly more than half of enrollment are females (55%). This rate varies within each ethnicity grouping. While Asian and Latinx females make up slightly more than half of their respective ethnicity grouping (53% and 57%), females represent almost two-thirds among Black and White students (65%).

Table 1. Dual Enrollment Program Headcount by Ethnicity and Gender, 2020-21.

Ethnicity	Female		Male		Non Binary		Total	
	HC	Percent	HC	Percent	HC	Percent	HC	Percent
Asian	137	53%	117	37%	5	1%	259	100%
Black	19	65%	30	35%			49	100%
Filipinx	14	74%	14	20%	2	5%	30	100%
Latinx	258	57%	194	37%	9	6%	461	100%
Native American	4	96%	1	4%			5	100%
Pacific Islander	8	99%	5	1%			13	100%
White	153	65%	108	31%	7	4%	268	100%
Decline to State	14	75%	8	12%	3	13%	25	100%
Total	607	55%	477	31%	26	3%	1,110	100%

Out of 1,110 Dual Enrollment program students, a little less than one-third matriculated the subsequent academic year (31%) (Table 2).

Table 2. Dual Enrollment Program Matriculation, 2020-21 to 2021-22.

2020-21 Enrollment	2021-22 Enrollment	Matriculation Percent
1,110	348	31%

Note: 2021-22 includes Summer, Fall, Winter quarters only.

A slightly higher rate among female students matriculated in the following academic year (2021-22) compared to their male counterparts (+2-percentage points) (Table 3).

Table 3. Dual Enrollment Program Matriculation by Gender, 2020-21 to 2021-22.

Gender	DE HC	DE %	Matric HC	Matric %
Female	607	55%	199	57%
Male	477	43%	143	41%
Non Binary	26	2%	6	2%
Total	1,110	100%	348	100%

Note: 2021-22 includes Summer, Fall, Winter quarters only.

Table 4 shows the breakdown among Dual Enrollment students compared to matriculated students by ethnicity. Latinx students represent almost half of all matriculated students (42%) even though they only represent one-fourth of the Dual Enrollment program students (26%). Asian students represent a smaller percentage among matriculated students compared to Dual Enrollment program students (26% vs. 32%).

Table 4. Dual Enrollment Program Matriculation by Ethnicity, 2020-21 to 2021-22.

Ethnicity	DE HC	DE %	Matric HC	Matric %
Asian	259	32%	90	26%
Black	49	3%	15	4%
Filipinx	30	4%	7	2%
Latinx	461	26%	146	42%
Native American	5	1%	1	0%
Pacific Islander	13	8%	4	1%
White	268	23%	81	23%
Decline to State	25	3%	4	1%
Total	1,110	100%	348	100%

Not all the matriculated students enrolled at Foothill (Table 5). Some enrolled at De Anza (10%), and a smaller group of students enrolled in classes at both colleges (3%).

Table 5. Dual Enrollment Program Matriculation by College, 2021-22.

College	Headcount	Percent
Foothill Only	301	86%
De Anza Only	35	10%
Both Colleges	12	3%
Total	348	100%

Table 6 shows the headcount and rate of Dual Enrollment program students who matriculated (at Foothill and/or De Anza) by high school and district. Menlo-Atherton High School had the lowest matriculation rate (0%) while over half of the Khan Lab School and Sequoia High School students matriculated (71% and 56%).

Table 6. Dual Enrollment Program Matriculation by High School, 2020-21 to 2021-22.

HS District	High School	DE HC	Matric HC	Percent
Fremont	Cupertino HS	33	13	39%
	Fremont HS	79	28	35%
Metro Ed District	Silicon Valley Career Technical Education	76	23	30%
Mtn View Los Altos	Alta Vista HS	19	3	16%
	Freestyle Academy of Communication Arts & Technology	95	39	41%
	Los Altos HS	42	11	26%
	Mountain View HS	61	10	16%
Palo Alto	Gunn HS	51	12	24%
	Palo Alto HS	148	46	31%
Private	Cristo Rey San Jose Jesuit HS	49	1	2%
	East Side Preparatory School	129	57	44%
	Khan Lab School	28	20	71%
Sequoia	East Palo Alto Academy	40	11	28%
	Menlo Atherton HS	79	0	0%
	Sequoia HS	95	53	56%
	Woodside HS	86	21	24%
Total		1,110	348	31%

Dual Enrollment Matriculation and Course Success

Dual Enrollment program students who matriculated experienced a slightly higher course success rate compared to Foothill's overall success rates (85% vs. 80% (based on Fall 2021 per CCCCCO Data Mart)) (Table 7).

Table 7. Matriculated Dual Enrollment Course Success, 2021-22.

Success		Non Success		Withdraw		Total	
Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
463	85%	46	8%	37	7%	546	100%

Note: 2021-22 includes Summer, Fall, Winter quarters only.

Table 8 shows that the course success rates among Dual Enrollment program matriculated females are higher than their male counterparts (+11-percentage points).

Table 8. Matriculated Dual Enrollment Course Success by Gender, 2021-22.

Gender	Success		Non Success		Withdraw		Total	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
Female	296	89%	20	6%	17	5%	333	100%
Male	160	78%	26	13%	20	10%	206	100%
Non Binary	7	100%	0	0%	0	0%	7	100%
Total	463	85%	46	8%	37	7%	546	100%

Course success gaps exist among the various ethnicity groups (Table 9). Asian students are the highest performing population, completing almost all of their courses (92%), while Filipinx and Pacific Islanders are completing at much lower rates (53% and 46%). Blacks and Latinx completion rates are closer to the overall Foothill success rates (81% and 85%) but at least 6-percentage points behind Asians.

Table 9. Matriculated Dual Enrollment Course Success by Ethnicity, 2021-22.

Ethnicity	<u>Success</u>		<u>Non Success</u>		<u>Withdraw</u>		<u>Total</u>	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
Asian	123	92%	4	3%	6	5%	133	100%
Black	22	81%	4	15%	1	4%	27	100%
Filipinx	9	53%	5	29%	3	18%	17	100%
Latinx	205	85%	21	9%	15	6%	241	100%
Native American	1	100%	0	0%	0	0%	1	100%
Pacific Islander	6	46%	5	38%	2	15%	13	100%
White	93	85%	7	6%	10	9%	110	100%
Decline to State	4	100%	0	0%	0	0%	4	100%
Total	463	85%	46	8%	37	7%	546	100%

Note: 2021-22 includes Summer, Fall, Winter quarters only.

Methodology

Dual Enrollment (CCAP/MOU) sections were identified based on “D” section coding. Given the limitation of the three character spaces, some sections were unable to be “D” coded. Therefore, all sections were verified with the Dual Enrollment program office. Not all “D” coded sections were tracked for matriculation in 2021-22 as not every section enrolled 12th graders. There were 97 eligible sections out of 125 offered sections.

All students enrolled in these sections were identified and then verified they were high school special admit students at time of enrollment. Only high school special admit students are included in this analysis; 35 students were excluded.

Four students enrolled in “D” coded section at multiple high school sites. These students were assigned a primary (home) high school based on the determination of the Foothill Dual Enrollment program.

Matriculation includes enrollment in a Foothill class in Summer 2021, Fall 2021, or Winter 2022. Spring 2022 was excluded given the timing of the analysis.

Course success is identified by earned final grades

Source

FH IRP, ODS [DE CCAP AY21 Matriculation Match.bqy]

Appendix

Matriculation Rates by District, High School, and Ethnicity, 20201-21 to 2021-22.

HS District	Home HS	Ethnicity	DE HC	Matric HC	Matric %
Fremont	Cupertino HS	Asian	31	13	42%
		White	1	0	0%
		Decline to State	1	0	0%
	Fremont HS	Asian	17	4	24%
		Filipinx	7	1	14%
		Latinx	40	17	43%
		Pacific Islander	1	1	100%
		White	12	5	42%
		Decline to State	2	1	50%
Metro Ed	Silicon Valley Career Tech Ed	Asian	13	5	38%
		Black	2	1	50%
		Filipinx	6	1	17%
		Latinx	42	8	19%
		Pacific Islander	1	1	100%
		White	11	7	64%
		Decline to State	1	0	0%
Mtn View Los Altos	Alta Vista HS	Black	1	1	100%
		Latinx	16	1	6%
		White	2	1	50%
	Freestyle Academy	Black	2	1	50%
		Asian	35	17	49%
		Filipinx	2	0	0%
		Latinx	10	4	40%
		Native American	1	1	100%
		Pacific Islander	1	1	100%
		White	42	14	33%
		Decline to State	2	1	50%
	Los Altos HS	Black	1	0	0%
		Asian	27	8	30%
		Native American	1	0	0%
		White	11	2	18%
		Decline to State	2	1	50%
	Mountain View HS	Black	3	1	33%
		Asian	30	6	20%
		Filipinx	1	0	0%
		Latinx	5	1	20%
		Native American	1	0	0%
		White	20	2	10%
		Decline to State	1	0	0%
Palo Alto	Gunn HS	Asian	27	5	19%
		Latinx	1	1	100%
		White	17	6	35%
		Decline to State	6	0	0%

HS District	Home HS	Ethnicity	DE HC	Matric HC	Matric %
Palo Alto	Palo Alto HS	Black	3	1	33%
		Asian	42	15	36%
		Filipinx	4	1	25%
		Latinx	21	10	48%
		Native American	2	0	0%
		Pacific Islander	1	0	0%
		White	70	19	27%
		Decline to State	5	0	0%
Private	Cristo Rey San Jose Jesuit HS East Side Preparatory School	Latinx	44	1	2%
		Black	18	8	44%
		Asian	1	0	0%
		Filipinx	4	1	25%
		Latinx	105	48	46%
		Pacific Islander	1	0	0%
Private	Khan Lab School	Asian	18	11	61%
		Filipinx	1	1	100%
		Latinx	2	1	50%
		White	7	6	86%
Sequoia	East Palo Alto Academy	Black	4	1	25%
		Latinx	35	10	29%
		White	1	0	0%
	Menlo Atherton HS	Black	9	0	0%
		Asian	3	0	0%
		Latinx	48	0	0%
		Pacific Islander	4	0	0%
		White	13	0	0%
		Decline to State	2	0	0%
	Sequoia HS	Black	3	1	33%
		Asian	5	4	80%
		Filipinx	2	1	50%
		Latinx	67	36	54%
		Pacific Islander	2	1	50%
	Woodside HS	White	16	10	63%
		Black	3	0	0%
		Asian	7	2	29%
		Filipinx	2	1	50%
		Latinx	25	7	28%
		Pacific Islander	2	0	0%
		White	45	10	22%
		Decline to State	2	1	50%