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Subject: EWRT 1A, MATH 10 and MATH 31 Corequisite Course Success

Overview:

With the implementation of AB 705 in fall 2019 quarter, the following transfer-level corequisite courses were developed to provide students with additional support: EWRT 1A (Composition and Reading) with LART 250, MATH 10 (Statistics) with MATH 109, and MATH 31 (Precalculus I) with MATH 130. This report provides the course success rate for the main corequisite course (i.e., EWRT 1A, MATH 10 and MATH 31) by ethnicity to help inform discussions and any necessary adjustments.

Methodology:

The analysis in this report reflects all enrollments in EWRT 1A, MATH 10 and MATH 31 corequisite courses (designated with a “Q” in the section number) from summer 2019 through winter 2022. Spring 2022 quarter is in progress at the time of this reporting; and therefore, data for the 2021-22 academic year will omit spring quarter. EWRT 1A is offered during the summer term, whereas MATH 10 and MATH 31 are not. Data for MATH 31 includes MATH 41. Course success rates are computed by summing A, B, C and P grades divided by all letter grades. Annual success rate includes summer (where applicable). Success rates by ethnicity are shown for all student groups, but the narrative in this report focuses on the top three enrolled ethnic groups.

Summary:

- From 2019-20 to 2021-22, the average course success rate for EWRT 1A corequisite is 66%, for MATH 10 corequisite is 68% and for MATH 31 corequisite is 57%.
- EWRT 1A corequisite course success tends to be higher in the fall quarter (71%) than compared to winter (59%) or spring (59%). For MATH 10 and MATH 31, their winter and spring course success rates are higher than fall quarter by 6 to 9 percentage points.
- Most EWRT 1A corequisite students are Latina/o/x (39%), followed by Asian (31%) and White (12%). Asian has the highest three-year success rate at 73%, followed by White (72%). Latina/o/x success rate averages 58%.
- Most MATH 10 corequisite students are Latina/o/x (43%), followed by Asian (27%) and White (12%). Asian has the highest three-year success rate at 84%, followed by White (74%). Latina/o/x success rate averages 57%.
- Most MATH 31 corequisite students are Asian (36%), followed by Latina/o/x (29%) and White (18%). Asian has the highest three-year success rate at 70%, followed by White (60%). Less than half of all Latina/o/x are completing MATH 31 corequisite—their success rate averages 39%.

Course Success by Term and Year

Year over Year Success Rate Comparison

- Thus far in 2021-22, EWRT 1A and MATH 10 annual course success rates have improved from the year prior. EWRT 1A success rate was 63% and is currently 66%. MATH 10 success rate was 62% and is currently 72%.
- MATH 31 course success rate is currently 51% and is lower than the prior two years.

Term Success Rate

- Focusing on the primary terms, EWRT 1A course success tends to be higher in the fall quarter (71%) than compared to winter (59%) or spring (59%) quarters.
- The opposite was observed for MATH 10 and MATH 31 as their winter and spring course success rates tend to be higher than their fall quarter by 6 to 9 percentage points.

Three-Year Success Rate

- The annual success rate for EWRT 1A corequisite has averaged 66%.
- The annual success rate for MATH 10 corequisite has averaged 68%.
- The annual success rate for MATH 31 corequisite has averaged 57%.

Table 1:

EWRT and MATH Corequisite Course Success by Term and Year

		Success Rate				Trend Line	3-Year Total	
		2019-20	2020-21	2021-22*	Success Rate		Total Enrl	
EWRT 1A	Annual	68%	63%	66%		66%	3,995	
	Summer	77%	68%	60%		68%	152	
	Fall	71%	69%	73%		71%	2,236	
	Winter	68%	54%	54%		59%	1,111	
	Spring	60%	58%			59%	496	
MATH 10	Annual	71%	62%	72%		68%	869	
	Fall	63%	60%	72%		65%	444	
	Winter	75%	66%	72%		71%	318	
	Spring	76%	60%			71%	107	
MATH 31	Annual	62%	54%	51%		57%	667	
	Fall	55%	51%	45%		52%	291	
	Winter	74%	53%	57%		61%	264	
	Spring	62%	59%			61%	112	

*At the time of this reporting, 2021-22 omits spring 2022 quarter.

EWRT 1A Corequisite Course Success by Ethnicity

- Enrollment
 - Most of the students who enrolled in EWRT 1A corequisite are Latina/o/x (39%), followed by Asian (31%) and White (12%).

- Year over Year Success Rate
 - EWRT 1A corequisite success rates for Latina/o/x and Asian students so far in 2021-22 have improved from the year prior. Latina/o/x success rate was 54% and is currently 59%. Asian success rate was 70% and is currently 74%.
 - White students' course success rate is lower than the prior two years at 67%.
- Three-Year Success Rate
 - Asian has the highest three-year success rate at 73%, followed by White (72%). Latina/o/x success rate averages 58%.

Table 2:

EWRT 1A Corequisite Course Success by Year and Ethnicity

	Success Rate				3-Year Total		
	2019-20	2020-21	2021-22*	Trend Line	Success Rate	Total Enrl	% Enrl
Black	61%	55%	65%		60%	208	5%
Asian	74%	70%	74%		73%	1,240	31%
Filipina/o/x	74%	67%	65%		69%	296	7%
Latina/o/x	61%	54%	59%		58%	1,563	39%
Native American	83%	67%	0%		64%	11	0.3%
Pacific Islander	69%	48%	41%		52%	54	1%
White	77%	71%	67%		72%	486	12%
Decline to State	80%	88%	85%		85%	137	3%

*At the time of this reporting, 2021-22 omits spring 2022 quarter.

- Term Success Rate
 - Focusing on the primary terms, Latina/o/x, Asian and White students' EWRT 1A corequisite success rates are higher in the fall term than in winter or spring.

Table 3:

EWRT 1A Corequisite Course Success by Term and Ethnicity, Average 2019-20 to 2021-22*

	Summer	Fall	Winter	Spring	Trend Line
Black	75%	67%	48%	52%	
Asian	67%	78%	64%	70%	
Filipina/o/x	50%	75%	57%	56%	
Latina/o/x	63%	64%	50%	45%	
Native American	-	100%	50%	75%	
Pacific Islander	100%	61%	27%	60%	
White	93%	72%	70%	69%	
Decline to State	100%	86%	83%	88%	

*At the time of this reporting, 2021-22 omits spring 2022 quarter.

MATH 10 Corequisite Course Success by Ethnicity

- Enrollment
 - Most of the students who enrolled in MATH 10 corequisite are Latina/o/x (43%), followed by Asian (27%) and White (12%).

- Year over Year Success Rate
 - MATH 10 corequisite success rates for Latina/o/x, Asian and White students, thus far in 2021-22, have improved from the year prior. Latina/o/x success rate was 54% and is currently 62%. Asian success rate was 77% and is currently 84%. White success rate was 68% and is currently 81%.
- Three-Year Success Rate
 - Asian has the highest three-year success rate at 84%, followed by White (74%). Latina/o/x success rate averages 57%.

Table 5:

MATH 10 Corequisite Course Success by Year and Ethnicity

	Success Rate				Trend Line	3-Year Total		
	2019-20	2020-21	2021-22*	Success Rate		Total Enrl	% Enrl	
Black	53%	50%	83%		62%	37	4%	
Asian	88%	77%	84%		84%	238	27%	
Filipina/o/x	81%	54%	64%		66%	79	9%	
Latina/o/x	55%	54%	62%		57%	378	43%	
Native American	100%	100%	-		100%	2	0.2%	
Pacific Islander	50%	100%	50%		57%	7	1%	
White	74%	68%	81%		74%	108	12%	
Decline to State	86%	100%	89%		90%	20	2%	

*At the time of this reporting, 2021-22 omits spring 2022 quarter.

- Term Success Rate
 - Latina/o/x students' success rate is highest in the winter term.
 - Asian students' success rate is highest in the spring term.
 - White students' success rate is highest in the fall term.

Table 6:

MATH 10 Corequisite Course Success by Term and Ethnicity, Average 2019-20 to 2021-22*

	Summer	Fall	Winter	Spring	Trend Line
Black	-	72%	46%	67%	
Asian	-	82%	84%	88%	
Filipina/o/x	-	63%	70%	67%	
Latina/o/x	-	52%	63%	58%	
Native American	-	100%	-	100%	
Pacific Islander	-	60%	50%	-	
White	-	80%	65%	75%	
Decline to State	-	67%	100%	100%	

*At the time of this reporting, 2021-22 omits spring 2022 quarter.

MATH 31 Corequisite

- Enrollment
 - Most of the students who enrolled in MATH 31 corequisite are Asian (36%), followed by Latina/o/x (29%) and White (18%).
- Year over Year Success Rate
 - While Latino/a/x success rate has improved from 36% (2020-21) to 38% (2021-22), less than half of all Latina/o/x are completing MATH 31 corequisite. Asian success rate decreased from 69% to 62%. Similarly, White students' success rate decreased from 59% to 48%.
- Three-Year Success Rate
 - Asian has the highest three-year success rate at 70%, followed by White (60%). Latina/o/x success rate averages 39%.

Table 7:

MATH 31 Corequisite Course Success by Year and Ethnicity

	Success Rate				3-Year Total		
	2019-20	2020-21	2021-22*	Trend Line	Success Rate	Total Enrl	% Enrl
Black	55%	60%	40%		53%	36	5%
Asian	74%	69%	62%		70%	240	36%
Filipina/o/x	73%	46%	56%		58%	55	8%
Latina/o/x	42%	36%	38%		39%	192	29%
Native American	-	-	0%		0%	1	0.1%
Pacific Islander	50%	0%	50%		33%	6	1%
White	67%	59%	48%		60%	118	18%
Decline to State	63%	80%	67%		68%	19	3%

*At the time of this reporting, 2021-22 omits spring 2022 quarter.

- Term Success Rate
 - Asian students' success rate is highest in the spring term.
 - Latina/o/x and White students' success rates are highest in the winter term.

Table 8:

MATH 31 Corequisite Course Success by Term and Ethnicity, Average 2019-20 to 2021-22*

	Summer	Fall	Winter	Spring	Trend Line
Black	-	47%	63%	33%	
Asian	-	69%	65%	85%	
Filipina/o/x	-	48%	67%	67%	
Latina/o/x	-	34%	47%	34%	
Native American	-	-	0%	-	
Pacific Islander	-	0%	67%	0%	
White	-	48%	71%	65%	
Decline to State	-	67%	67%	75%	

*At the time of this reporting, 2021-22 omits spring 2022 quarter.