

To: Maurice Jones, Department Chair - English
Dr. Vanson Nguyen, Department Co-Chair - Math
Dr. Khalilah Beal-Uribe, Department Co-Chair - Math

Cc: Lilia Celhay, Acting Vice President of Instruction
Ana McClanahan, Dean of STEAM

From: Dominique Benavides, Director of College Research and Planning, COA

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Subject: AB705 Update – College of Alameda

This analysis is provided as an update on the success and throughput rates for transfer level English and transfer level Math at College of Alameda with the implementation of AB705.

The English courses assessed include:

- English 1A - Comprehension and Reading
- English 1AS - Comprehension and Reading with embedded support

The Math courses assessed include:

- Math 13 - Introduction to Statistics
- Math 15 - Math for Liberal Arts students
- Math 50 - Trigonometry
- Math 3A - Calculus 1
- Math 2 - Pre Calculus with Geometry
- Math 1- Pre Calculus
- Math 213 - Support for Statistics
- Math 215 - Support for Pre-Calculus
- Math 216 - Support for Trigonometry

AB705 Context

The intent of AB705 is to maximize the probability that a student will enter and complete transfer-level with English and math within a one-year timeframe. In order to achieve this goal, College of Alameda followed the recommended measures to place students in the correct transfer level English and math course. Those measures included:

- High school coursework
- High school grades
- High school grade point average

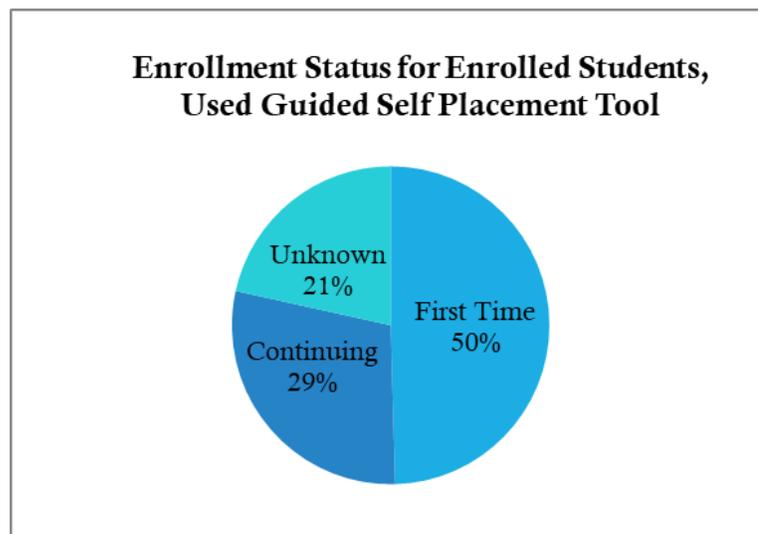
In addition, College of Alameda implemented the [Guided Self Placement Questionnaire](#) in late Spring 2019. The questionnaire is designed to assist students in determining the best course to complete transfer level English and/or math.

Findings in Access & Enrollment:

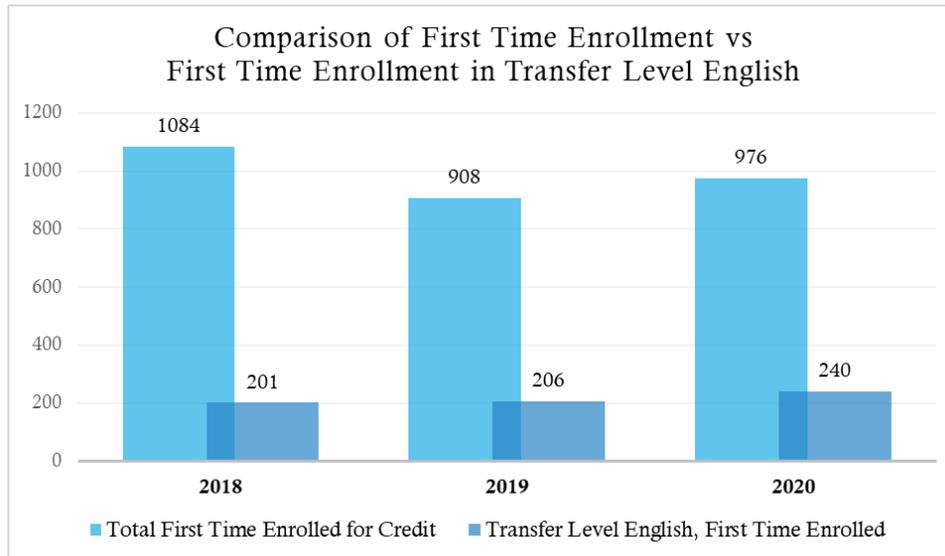
- Over 800 students utilized the questionnaire and self-placed into transfer level English and/or math in 2020.
- The chart below reflects the number of students by ethnicity who self-placed into a transfer level English standalone course, English 1A and with embedded support, English 1AS.

Guided Self Placement by Ethnicity - English 1A		Guided Self Placement by Ethnicity - English 1AS (embedded support)	
Ethnicity	Number	Ethnicity	Number
Asian	145	Asian	41
Black / African American	75	Black / African American	29
Hispanic / Latinx	135	Hispanic / Latinx	55
Native American/Alaskan Native	2	Native American/Alaskan Native	0
Pacific Islander	4	Pacific Islander	2
Two or More	53	Two or More	16
Unknown / NR	70	Unknown / NR	36
White	121	White	27
Total	605	Total	206

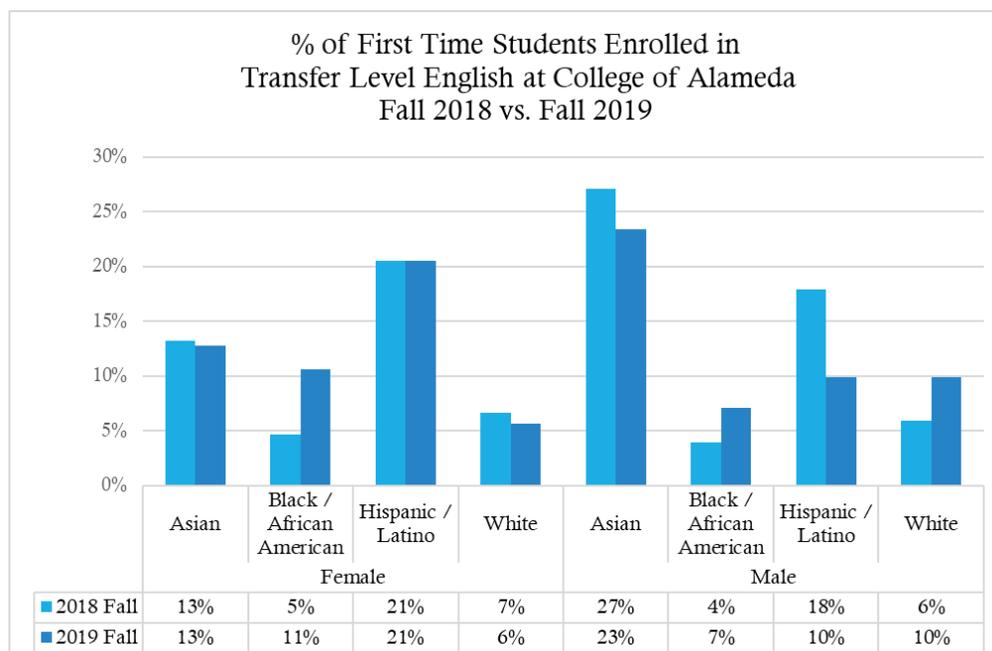
- Actual enrollment differs than the self-placement with **339** students enrolling in a transfer level English or math course in 2020.
- Of those that utilized the self-placement tool and subsequently enrolled, 50% or 168 were first time college students.



- A low number of first time students enrolling in transfer level English is also reflected when comparing the number against all first time enrollments.
- Reflected in the chart below, on average 990 first time students enroll for credit in College of Alameda every year. In comparison, roughly 22% or 215 first time students enroll in transfer level English every year.

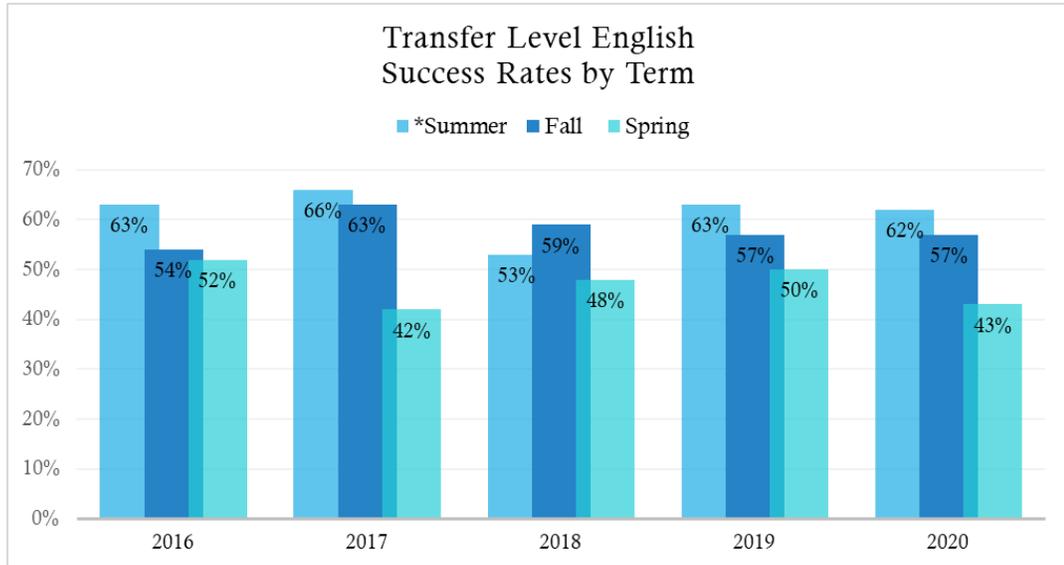


- Transfer level English enrollments for first time student increased by 16% in 2020.
- In evaluating ethnicity and gender, improved access and enrollment for first time students in transfer level English can be noted in the African American student population, as well as, in the White male student population.

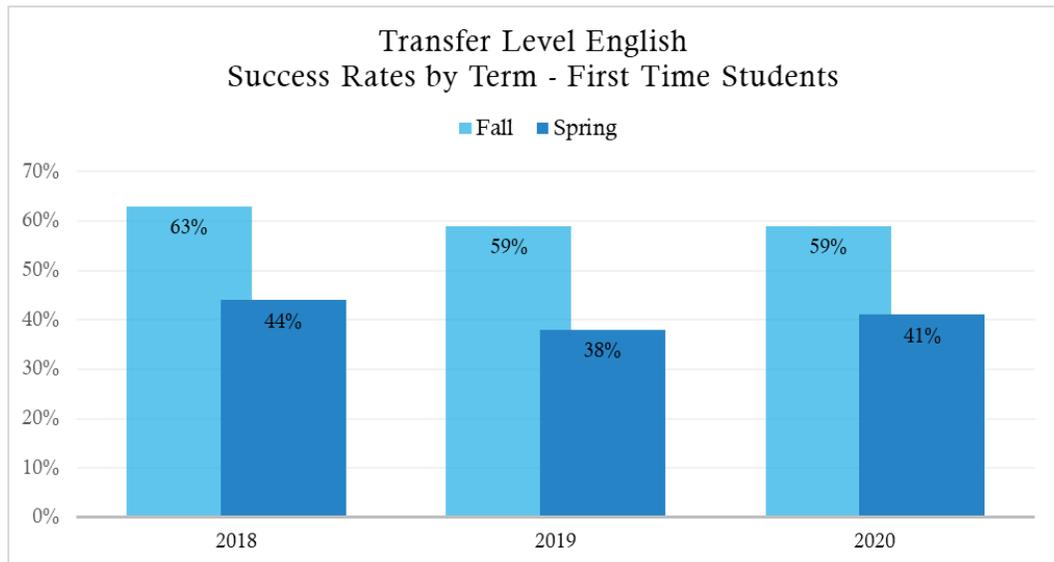


Transfer Level English Success Rates

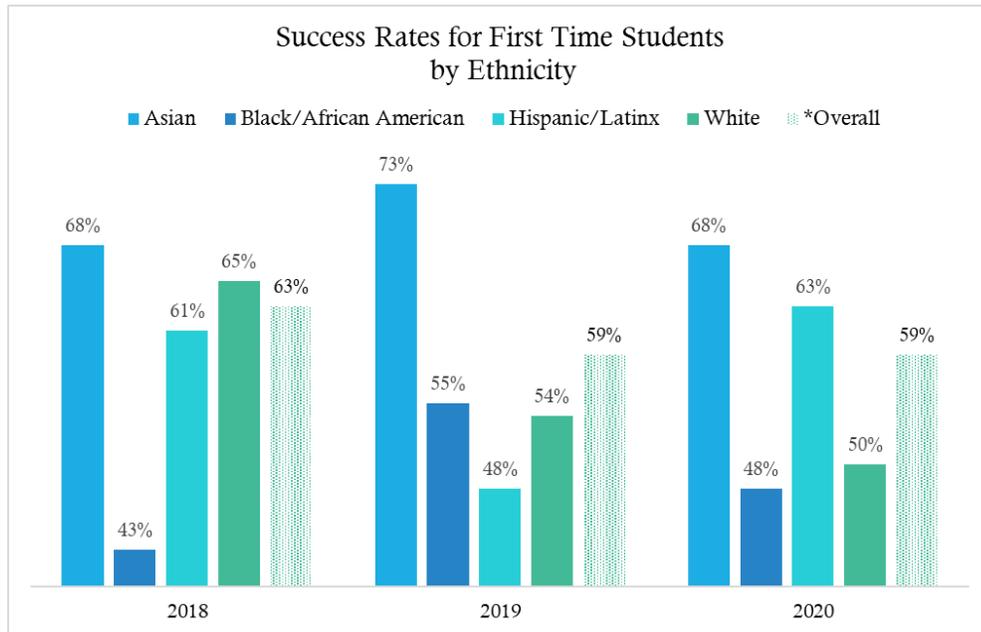
- The average success rate for transfer level English is 54% with higher success rates noted in the Summer and Fall terms.



- The three-year average success rate for first time students in transfer level English is 56%. *Summer terms were excluded as the number of first time student enrollments were less than 10 students each term.*



- Success rates for first time students in transfer level English vary by ethnicity.
 - First time Asian students reflected a higher average success rate of 70%.
 - Success rates have fluctuated for first time Latinx declining in 2019 and increasing by 15 percentage points in 2020.
 - Success rates for African American first time students are disproportionately lower with a 49% average success rate.
 - Success rates for White first time students have declined by 15 percentage points from 2018 to 2020.



Transfer Level English Throughput

- In Fall 2019, 119 first time students enrolled in transfer level English at College of Alameda. The success rate was 59% with 70 students receiving a grade of A,B,C or P.
- In Spring 20, 11 of students from the original first time cohort re-enrolled in transfer level English. Six students successfully completed transfer level English.
- The two term throughput for transfer level English for 2020 is 64%.

First Time Fall 19 enrolled	Fall 19 Success	Success Rate - Transfer Level English	Spring 20 re-enrolled	Spring 20 Success	Throughput - Transfer Level English
119	70	59%	11	6	64%

- Similar to the success rate, throughput in transfer level English shows disproportionate rates among first time African American and White students.

Ethnicity	First Time Fall 19 enrolled	Fall 19 Success	Success Rate - Transfer	Spring 20 re-enrolled	Spring 20 Success	Throughput - Transfer Level English
Asian	40	27	68%	5	2	73%
Black/African American	21	10	48%	1	1	52%
Hispanic/Latinx	30	19	63%	1	0	63%
White	16	8	50%	2	1	56%

- Students who took the standalone English 1A course reflected a higher throughput than those with who enrolled in the embedded support courses.

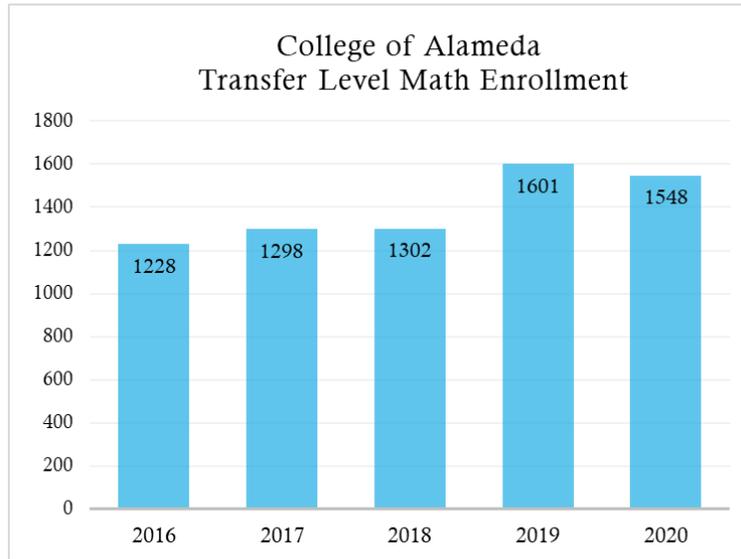
By Course and Support	First Time Fall 19 enrolled	Fall 19 Success	Success Rate - Transfer Level English	Spring 20 re-enrolled	Spring 20 Success	Throughput - Transfer Level English
English 1A - Composition & Reading	87	56	64%	7	5	70%
English 1AS - Composition & Reading w Support	32	14	44%	4	1	47%

- Students whose GPA was 2.6 or greater had a higher throughput rate in both the standalone English 1A course and in the English 1AS support course.

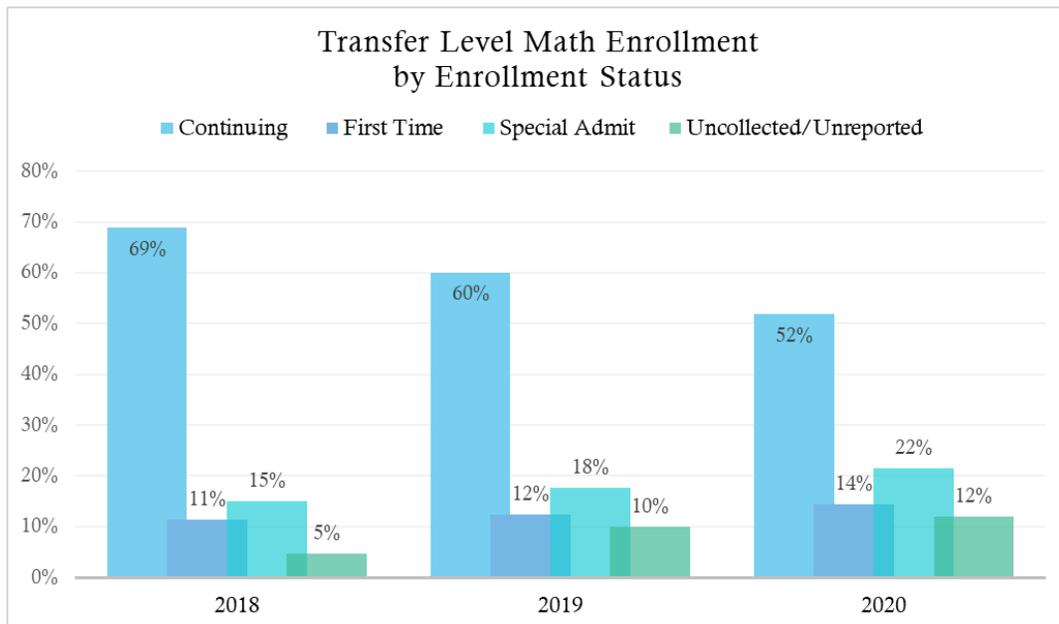
By HS GPA Range	First Time Fall 19 enrolled	Fall 19 Success	Success Rate - Transfer Level English	Spring 20 re-enrolled	Spring 20 Success	Throughput - Transfer Level English
> = 2.6	78	53	68%	8	5	74%
English 1A - Composition & Reading	63	45	71%	6	4	78%
English 1AS - Composition & Reading w Support	15	8	53%	2	1	60%
1.9 - 2.59	22	8	36%	2	0	36%
English 1A - Composition & Reading	10	5	50%			50%
English 1AS - Composition & Reading w Support	12	3	25%	2	0	25%
Less than 1.9	2	1	50%			50%
English 1AS - Composition & Reading w Support	2	1	50%			50%
No GPA	17	8	47%	1	1	53%
English 1A - Composition & Reading	14	6	43%	1	1	50%
English 1AS - Composition & Reading w Support	3	2	67%			67%

Findings in Access & Enrollment – Transfer Level Math

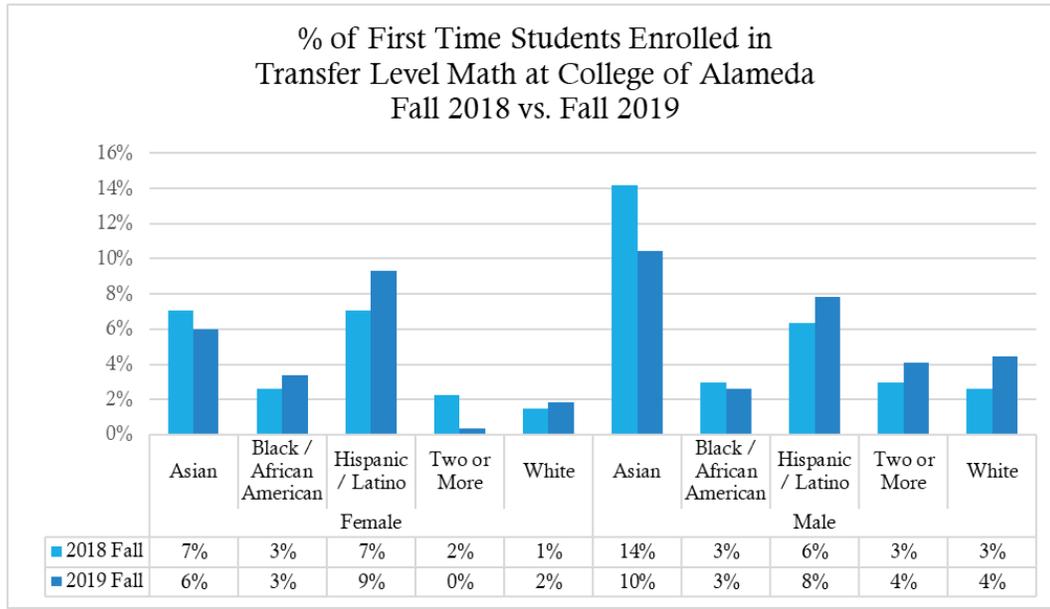
- With the adoption of AB705, transfer level math enrollments increased by 23% from 2018 to 2019.



- First time students make up only 12% of the enrollment in transfer level math courses while continuing students make up the majority, averaging 60% of the total enrollment.

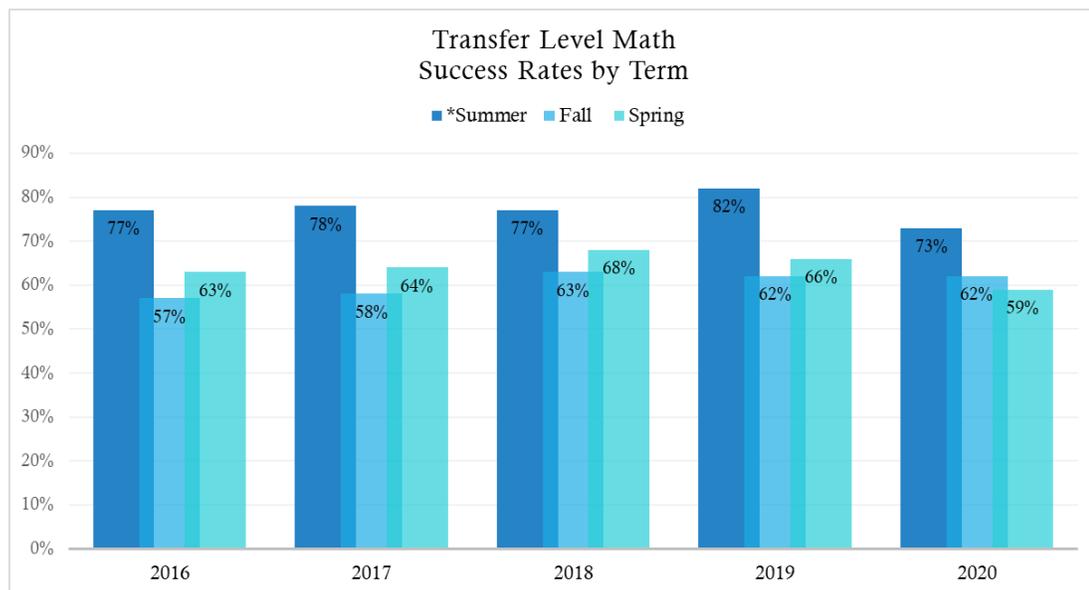


- An improvement in access can be noted in first time Latinx students and first time White students.
- Enrollment for first time African Americans students remained flat and a decline is noted in the Asian first time student population.

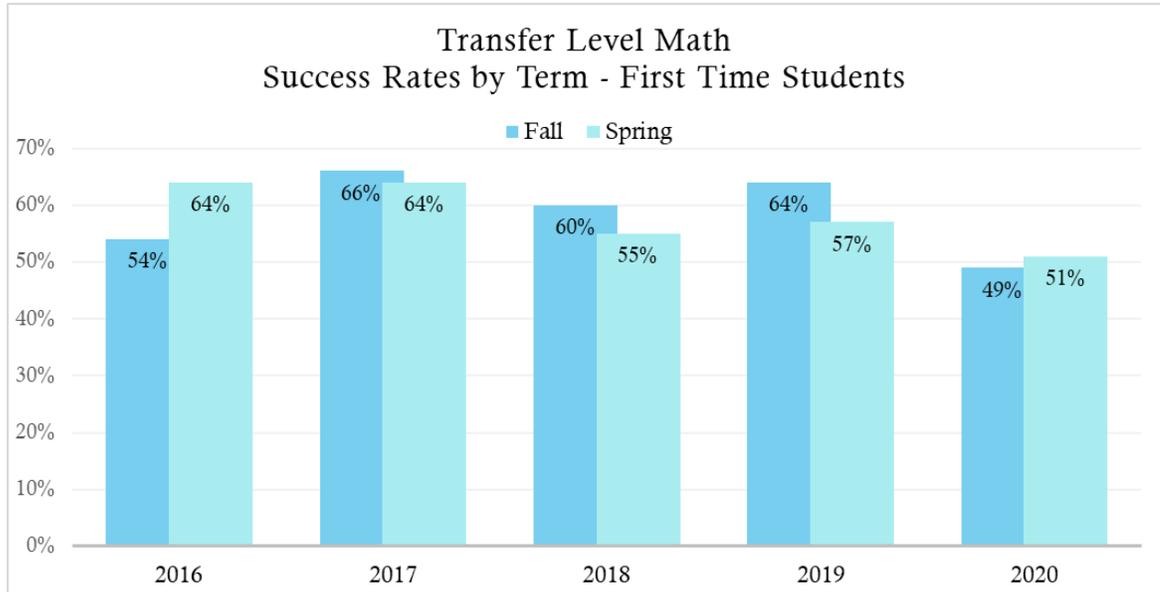


Transfer Level Math Success Rates

- The average success rate for transfer level Math is 65% with higher success rates noted in the Summer term.



- The three-year average success rate for first time students in transfer level Math is 58%. *Summer terms were excluded as the number of first time student enrollments were less than 10 students each term.*



Transfer Level Math Throughput Rates

- In Fall 2019, 106 first time students enrolled in a transfer level math course at College of Alameda. The success rate was 49% with 52 students receiving a grade of A,B,C or P.
- In Spring 20, 13 of students from the original first time cohort re-enrolled in a transfer level math course. Six students successfully completed transfer level math.
- The two term throughput for transfer level math for 2020 is 55%.

First Time Fall 19 enrolled	Fall 19 Success	Success Rate - Transfer Level Math	Spring 20 re-enrolled	Spring 20 Success	Throughput - Transfer Level Math
106	52	49%	13	6	55%

- Throughput rates in transfer level math shows disproportionate rates among first time African American and Latinx students.

Ethnicity	First Time Fall 19 enrolled	Fall 19 Success	Success Rate - Transfer Level Math	Spring 20 re-enrolled	Spring 20 Success	Throughput - Transfer Level Math
Asian	39	24	64%	5	3	69%
Black/African American	12	3	25%	1	0	25%
Hispanic/Latinx	31	14	45%	4	1	48%
White	11	4	36%	3	2	55%

The throughput rate for Math 1 – Precalculus was 4% points higher in the standalone course compared to those who took the course with Math 215.

- Math 3A – Calculus 1 had the highest throughput rate of 86% with no support courses available.
- Math 13 – Introduction to Statistics had similar throughput rates with 50% for the standalone course and 48% with support of Math 213.
- Math 50 – Trigonometry had the lowest enrollment of first time students with 7 students, 4 successfully completing with the Math 216 support course for a 67% throughput rate.

By Course and Support	First Time Fall 19 enrolled	Fall 19 Success	Success Rate - Transfer Level Math	Spring 20 re-enrolled	Spring 20 Success	Throughput - Transfer Level Math
Math 1 - Pre-Calculus	21	10	48%	3	2	57%
Standalone	5	3	60%			60%
Math 215 - Support for Pre-Calculus	16	7	44%	3	2	56%
Math 3A - Calculus 1	15	11	73%	3	2	87%
Standalone	15	11	73%	3	2	87%
Math 13 - Intro to Statistics	63	30	48%	6	1	49%
Standalone	38	18	47%	4	1	50%
Math 213 - Support for Statistics	25	12	48%	2	0	48%
Math 50 - Trigonometry	7	1	14%	1	1	29%
Standalone	4	0	0%			0%
Math 216 - Support for Trigonometry	3	1	33%	1	1	67%

- When assessing by HS GPA range, throughput rates for students who took a transfer level math course with a support course were slightly higher than those who took the standalone course.

HS GPA Range	First Time Fall 19 enrolled	Fall 19 Success	Success Rate - Transfer Level Math	Spring 20 re-enrolled	Spring 20 Success	Throughput - Transfer Level Math
> = 3.0	53	31	58%	7	3	64%
Standalone	38	22	58%	5	2	63%
With Support Course	15	9	60%	2	1	67%
2.3 - 2.9	27	11	41%	2	1	44%
Standalone	7	3	43%			43%
With Support Course	20	8	40%	2	1	45%
Less than 2.3	11	2	18%	3	1	27%
Standalone	3	0	0%	1	0	0%
With Support Course	8	2	25%	2	1	38%
No HS GPA	15	8	53%	1	1	60%
Standalone	13	6	46%	1	1	54%
With Support Course	2	2	100%			100%

Takeaways and recommended follow up items

- Increases in transfer level English for first time students can be attributed to the implementation of AB705 efforts including the utilization of the Guided Self Placement Questionnaire.
- Research as to why students utilize the self-placement tool and do not enroll is needed.
- The transfer level English throughput rate for first time students is 64% for 2020.
- The percentage of first time students who have completed transfer level English in 2020 compared to the total first time student population is 8%.
- The transfer level math throughput rate for first time students is 55% for 2020.
- The percentage of first time students who have completed transfer level math in 2020 compared to the total first time student population is 6%.
- Additional support and research is needed to increase the success and throughput rates in transfer level English for first time African American and White students.
- Additional support and research is needed to increase the success and throughput rates in transfer level math for first time African American and Latinx students.