

De Anza College Office of Institutional Research and Planning

To: AB 705 Steering Committee

From: Mallory Newell, De Anza Researcher

Date: 1/23/2020

Subject: Math High School Transcript Placement and Guided Self-Placement – Fall 2019

This analysis includes placement results for students who applied to De Anza College and received a math placement via high school transcripts, received an open access math placement, or took the guided self-placement between June 26, 2019 and October 19, 2019.

In fall 2018, students were given a placement directly into MATH41 based on their high school transcript data. Any higher level placements (MATH42, 43, 1A) were earned by a placement test. MATH10, 11, 44 and 46 were open entry courses.

In fall 2019, students were placed into MATH10 + MATH210 (co-requisite course) or MATH10 by high school transcript data. Students also earned placement into MATH41 + MATH231 (co-requisite course, MATH41, 42, 43 or 1A by high school transcript data. MATH10, 11, 44 and 46 remained open entry courses.

Starting on June 26, 2019, students were able to take a guided self-placement if they did not have high school transcript data (these students should have already received a MATH11, 44 or 46 placement) or to potentially improve their math placement. Students were able to take the guided self-placement twice. The guided self-placement assessment placed students into MATH10 + MATH210 (co-requisite course) or MATH10 and into MATH41 + MATH231 (co-requisite course), MATH41, 42 or 1A.

Since students were given multiple placements based on open-entry courses, and had the option to take the guided self-placement two times, this analysis includes the highest placement by high school transcript and the highest placement via guided self-placement. Below is the order of placements that were used:

Table 1. Placement Hierarchy – Lowest to Highest Placement

Placement via High School Transcript – Statistics Pathway	Placement via High School Transcript – Calculus Pathway	Placement via Guided Self-Placement
No high school transcript	No high school transcript	MATH44 and MATH46
MATH44 and MATH46	MATH44 and MATH46	MATH11
MATH10 + MATH210x	MATH11	MATH10 + MATH210x
MATH11	MATH41 + MATH231x	MATH10
MATH10	MATH41	MATH41 + MATH231x
Note: Due to a data coding issue for HS placement, MATH11 is coded as a higher score than MATH10+210x.	MATH42	MATH41
	MATH43	MATH42
	MATH1A	MATH1A

Highlights

- Students are receiving similar placements via high school transcripts as via guided self-placement for MATH10 and MATH1A, but a higher rate of MATH42 placements via GSP.
- However, when looking at just the highest placement a student received, students who took the GSP had a higher rate of receiving a MATH1A placement over their high school GPA placement.
- The highest proportion of students are receiving MATH11, 44 or 46 placements since they are open enrollment, however, only a few sections of these courses are offered each quarter.

Table 2. Distribution of Placement by High School Transcripts and Guided Self-Placement

Open Access	Students	%	HS Placement	Students	%	Self-Placement	Students	%
MATH11	9,759	46%	MATH10+210x	623	5%	MATH10+210x	60	5%
MATH44 or 46	11,449	54%	MATH10	5,056	43%	MATH10	585	45%
Total	21,208	100%	MATH41+231x	1,877	16%	MATH41+231x	60	5%
			MATH41	1,214	10%	MATH41	26	2%
			MATH42	25	0%	MATH42	204	16%
			MATH43	66	1%	MATH43	-	-
			MATH1A	2,895	25%	MATH1A	371	28%
			Total	11,756	100%	Total	1,306	100%

- Between June 26, 2019 and October 19, 2019, 32,964 placements were given out to fall 2019 applicants. 21,208 (64%) were given an open access placement, 11,756 (36%) students were placed by high school transcripts.
- For students placed into an open access course, 54% were given a MATH44 or 46 placement while 46% were given a MATH11 placement.
- For students placed via high school transcripts, 43% received a MATH10 placement followed by 25% receiving a MATH1A placement and 16% receiving a MATH41+231x placement.
- For students placed via guided self-placement, 45% were placed into MATH10, 28% into MATH1A, and 16% into MATH42.

Table 3. Distribution of Highest Placement by High School Transcripts and Guided Self-Placement

Open Access	Students	%	HS Placement	Students	%	Self-Placement	Students	%
MATH11	5,598	100%	MATH10+210x	1	0%	MATH10	1	0%
MATH44 or 46	-	-	MATH10	886	12%	MATH10+210x	0	0
Total	5,598	100%	MATH41+231x	2,071	28%	MATH41+231x	59	10%
			MATH41	1,324	18%	MATH41	24	4%
			MATH42	29	0%	MATH42	173	28%
			MATH43	71	1%	MATH43	-	-
			MATH1A	3,043	41%	MATH1A	364	59%
			Total	7,425	100%	Total	621	100%

Note: Due to a data coding issue for HS placement, MATH11 is coded as a higher score than MATH10+210x.

- Of students who received an open access placement, all were placed in MATH11 as the highest placement.
- Of students who were placed via high school transcripts 41% were placed into MATH1A, 28% received MATH41+231, 18% received MATH41 and 12% received MATH10.
- 621 students took the guided self-placement. 59% were placed into MATH1A, 28% into MATH42, and 10% into MATH41+231x.

Table 3. Comparison of Highest High School Placement to Highest Guided Self-Placement

HSGPA	Guided Self-Placement						GSP is....
	MATH10 Students	MATH41 Students	MATH41+231 Students	MATH42 Students	MATH1A Students	No GSP Students	
MATH10				5	41	842	
MATH10+210						1	
MATH41		2	1	7	21	1,298	
MATH41+231		2	4	8	18	2,043	
MATH42	1			1	1	26	
MATH43				1	3	67	Lower
MATH1A			1	2	3	3,043	Same
No HSGPA		3	1	3	10	1,552	Higher
Total	1	7	7	27	97	8,872	

Note: MATH11 placements were emitted as it is open access.

- 621 students took a guided self-placement. Of the 122 students who took the GSP who had a high school transcript placement, 106 (87%) received a higher placement than via high school transcripts while 16 (13%) received the same or lower placement via GSP.