

De Anza College Office of Institutional Research and Planning

To: Jerry Rosenberg, Dean, PSME

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Subject: Success Rates of Students who Passed Math 51/41 in Fall 2009

Students who passed (A, B, C or P grades) Math 51/41 in fall 2009 were included in the cohort tracked to a subsequent math course or Physics 1A over three years – through spring 2012. This resulted in 155 unique students passing Math 51/41 and 672 student enrollments in a subsequent course.

Course Progression

Math 10 – Elementary Statistics and Probability

Math 51/41 – Trigonometry/Pre-Calculus I: Theory and Functions

Math 49A and 49B – Pre-Calculus Algebra

Math 1A and 1B – Calculus

Physics 2A – General Introductory Physics

Cohort that Passed Math 51/41

Math 51	
	Passed
African American	5
Asian	312
Filipino	29
Latino	85
Pacific Islander	6
White/Unreported	235
Total	672

Overall Findings:

- Of the students who pass Math 51, the largest number (154) went on to take Math 49A, followed by Math 1A (103), Math 49B (87), Math 1B (56) and Physics 2A (16).
- Students who went on to enroll in Math 49B exhibited the highest success rates (84%) followed by students who went on to Math 10 (68%).
- Ethnic diversity was highest in Math 10 followed by Math 49A.

Of the students who passed Math 51/41 in fall 2009:

Enrollment in a Subsequent Course

		African American	Asian	Filipino	Latino	Pacific Islander	White, Unreported	Total	Percent
Math 10	Passed	3	28	2	4	0	13	50	68%
	Did Not Pass	0	8	1	5	3	7	24	32%
Math 49A	Passed	1	49	1	14	1	31	97	63%
	Did Not Pass	1	17	9	12	2	16	57	37%
Math 49B	Passed	0	35	1	10	0	27	73	84%
	Did Not Pass	0	6	3	0	0	5	14	16%
Math 1A	Passed	0	26	1	7	0	25	59	57%
	Did Not Pass	0	25	0	5	0	14	44	43%
Math 1B	Passed	0	15	0	4	0	16	35	63%
	Did Not Pass	0	8	2	5	0	6	21	38%
Physics 2A	Passed	0	5	0	1	0	5	11	69%
	Did Not Pass	0	4	0	0	0	1	5	31%
Total		5	226	20	67	6	166	490	

- Students who passed Math 51/41 and enrolled in Math 49B had a success rate of 84% followed by Math 10 with a success rate of 68%, and Math 1B and 49A with a success rate of 63%.
- Ethnic diversity was highest in Math 10 followed by Math 49A. No African American, Filipino, or Pacific Islander students enrolled in Physics 2A, and no African American or Pacific Islander students enrolled in Math 1A, Math 1B, or Math 49B.