



DATE: November 9, 2016
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SUBJECT: The STEM Core Program Demographics

This report provides preliminary findings regarding the demographic and enrollment profiles of fall 2016 STEM Core program students. The data for this report is current as of November 7, 2016. The STEM Core program at Foothill College is a cohort-based learning community seeking to increase the number of students in the fields of engineering and computer science. This program started in Fall 2016 and the recruitment is ongoing during the academic year.

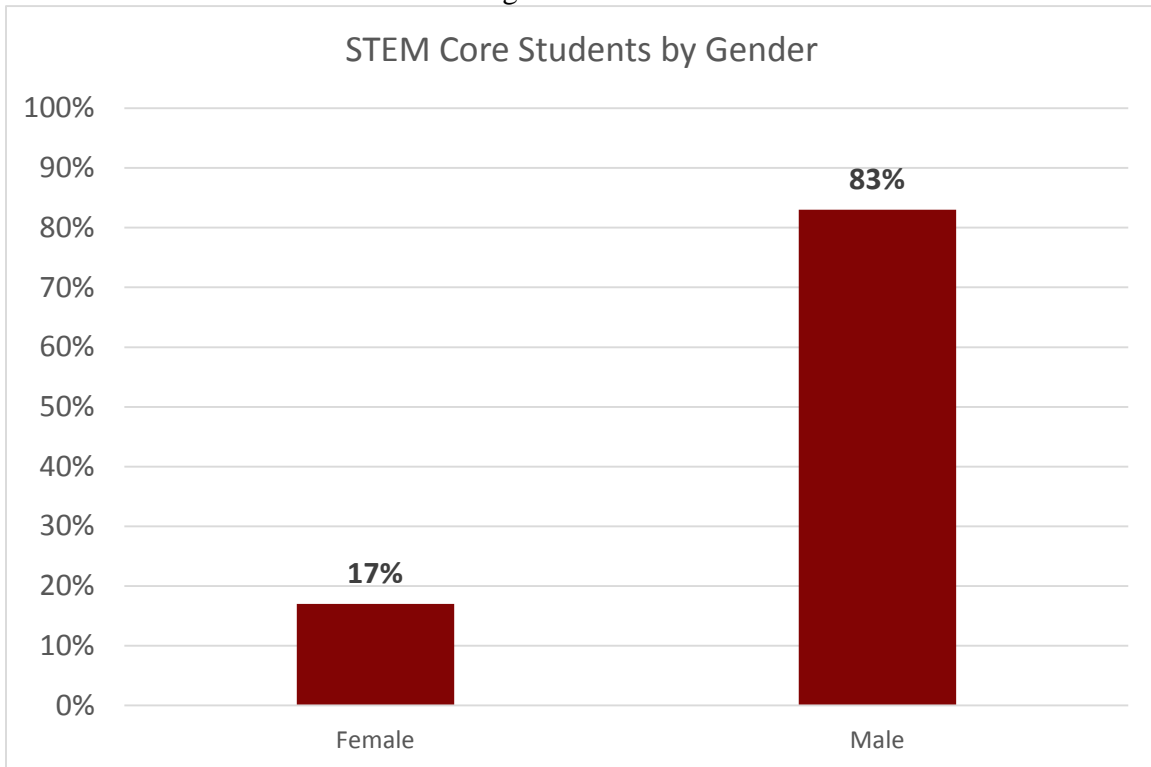
Student Profile

There are 18 distinct students in the current STEM Core program. These 18 students have enrolled in 38 STEM Core courses.

Gender

- There are more male than female students, 83% vs. 17%.

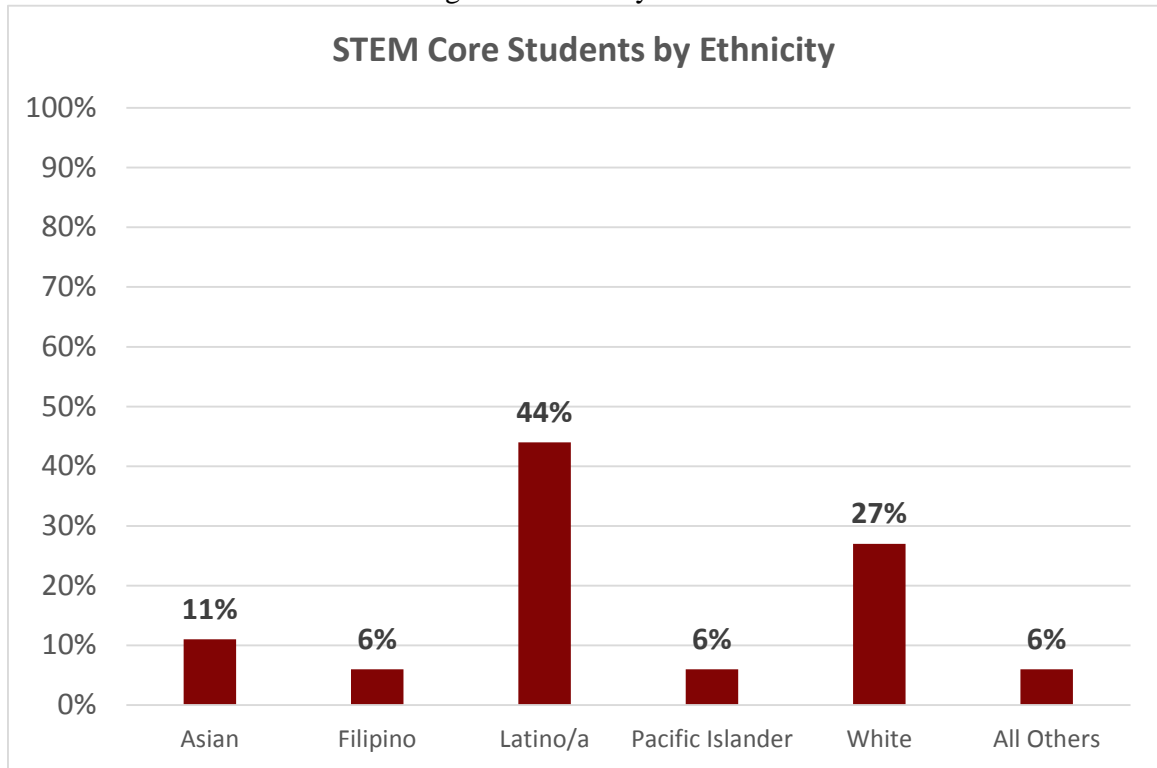
Figure 1. Gender



Ethnicity

- Latino students make up the majority of STEM Core students (44%), followed by White (27%) and Asian (11%) students.

Figure 2. Ethnicity



Ethnicity, Gender and First Generation

- Female STEM Core students are more likely to identify as White (66%) and Asian (34%).
- Male STEM Core students are more likely to identify as Latino (53%), followed by White (19%).

Table 1. The STEM Core Students by Ethnicity and Gender

Female			Male		
Ethnicity	HC	Percentage	Ethnicity	HC	Percentage
Asian	1	34%	Asian	1	7%
Filipino	0	0%	Filipino	1	7%
Latino/a	0	0%	Latino/a	8	53%
Pacific Islander	0	0%	Pacific Islander	1	7%
White	2	66%	White	3	19%
All Others	0	0%	All Others	1	7%
Total	3	100%	Total	15	100%

- As of Fall 2016, 22% of the STEM Core students self-identified as First generation. First generation is defined as a student whose parent/legal guardian did not attain education beyond high school.

Educational Goals and Student Educational Plan

- As of Fall 2016, 94% of the STEM Core students completed an educational plan.
- As of Fall 2016, 83% of the STEM Core students indicated they would like to transfer to a four-year university, as shown in Table 3.

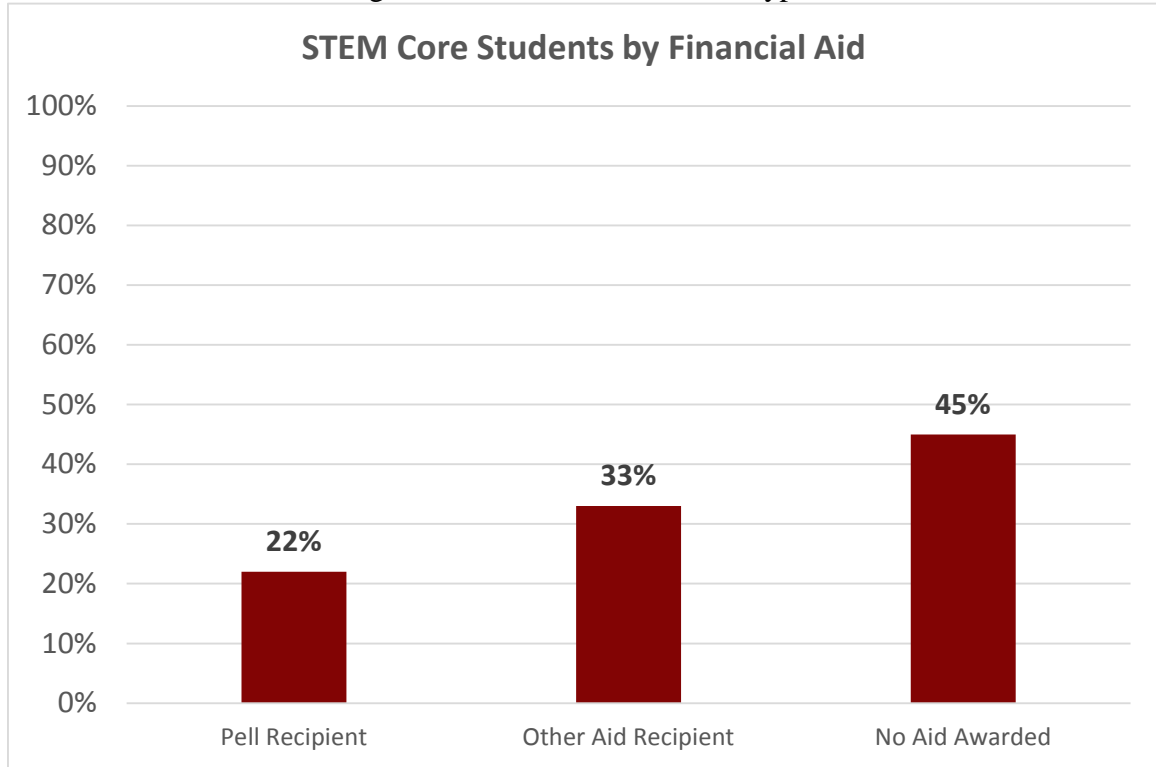
Table 2. STEM Core Students by Educational Goals

	HC	Percent
Transfer	15	83%
Degree	2	11%
All Other	1	6%
Total	18	100%

Income Status and Financial Aid

- As of Fall 2016, 28% of the STEM Core students self-reported as low-income. Low-income is defined as family income between \$0 - \$25,000.
- As of Fall 2016, 78% of the STEM Core students applied for Financial Aid.
- As of Fall 2016, 61% of the STEM Core students received Financial Aid, as shown in Figure 3. Among these students, 22% of them received Pell grants and the other 33% received non-Pell grants.

Figure 3. Financial Aid Award Types



Course Enrollment

The Fall 2016 STEM Core courses are CS 49, ENGR 49, and MATH 105. These three courses also include non-STEM Core students. The current enrollment of STEM Core and non-STEM Core students in STEM Core courses is shown in Table 4.

- The top enrolled course for STEM Core students is ENGR 49 at 75%.
- More than 60% of the students enrolled in CS 49 and MATH 105 are non-STEM Core students.

Table 3. STEM Core Course Enrollment

		STEM Core		Non-STEM Core		Total	
		Enrollment	Percent	Enrollment	Percent	Enrollment	Percent
CS	F049.	13	35%	24	65%	37	100%
ENGR	F049.	15	75%	5	25%	20	100%
MATH	F105.	13	39%	20	61%	33	100%