

2020/21 STEM Core Cohort Profile and Fall Outcomes Data Adhoc Report

Introduction

This report was created at the request of the HSI Director to support planning of future STEM Core cohorts. The report contains information about the cohort and course outcomes for the Fall 2020 term STEM Core sections. At the request of HSI Director, previous sequence completion rates for prior STEM Core cohorts were included at the end of this report. Any comparisons to prior cohorts should be made with caution, as the course sequences changed each academic year.

Definitions

Headcount: unduplicated count of students; one record per individual.

Enrollment: duplicated count of students; one record for each enrollment at Mesa College.

Course Retention Rate: percentage of students who complete a course with a letter grade of A, B, C, D, F, P, NP, I or RD (any grade other than a W) divided by total official census enrollments (Retention Counts / Enrollment).

Course Success Rate: percentage of students who complete a course with a passing grade (A, B, C, or P) divided by total official census enrollments (Success Counts / Enrollment).

Course GPA: the total grade point average of all students for a given course.

About STEM Core 2020/21 Cohort

Ethnicity

Ethnicity	Count	Percent
African American	1	4%
Asian	3	11%
Filipino	2	7%
Latinx	17	61%
White	3	11%
Multi-Ethnicity	2	7%
Total	28	100%

Gender

Gender	Count	Percent
Female	17	61%
Male	11	39%
Total	28	100%

Source: SDCCD Institutional Research Database & cohort information provided by STEM Outreach Support Coordinator.

Age

Age	Count	Percent
17	6	21%
18	13	46%
19	3	11%
20	1	4%
21	2	7%
23	1	4%
25	1	4%
29	1	4%
Total	28	100%

Prior Terms Completed at SDCCD or High School Attended

# of Terms	High School	Count	Percent
0	ANGELO RODRIGUEZ HIGH	1	4%
	CORONADO HIGH	1	4%
	HOOVER HIGH	1	4%
	JOHN F KENNEDY SR HIGH SCHOOL	1	4%
	MATER DEI CATHOLIC HIGH SCHOOL	1	4%
	MISSION BAY HIGH	1	4%
	MORSE HIGH	2	7%
	OTAY RANCH SENIOR HIGH	1	4%
	PINEVILLE HIGH SCHOOL	1	4%
	POINT LOMA HIGH	1	4%
	SAN YSIDRO HIGH	1	4%
	SWEETWATER HIGH	2	7%
	TORREY PINES HIGH	3	11%
	Subtotal	17	61%
1	Subtotal	3	11%
2	Subtotal	3	11%
3	Subtotal	3	11%
4	Subtotal	1	4%
6	Subtotal	1	4%
Total		28	100%

Source: SDCCD Institutional Research Database & cohort information provided by STEM Outreach Support Coordinator.

Cohort Fall 2020 Outcomes

Overall Outcomes

Course	# Weeks	Enrollments	Retention Counts	Retention Rate	Success Counts	Success Rate	Course GPA
MATH015C	16	28	28	100.00%	27	96.43%	***
MATH116	8	28	28	100.00%	26	92.86%	3.30
MATH104	8	28	28	100.00%	21	75.00%	2.70
PERG120	16	28	28	100.00%	25	89.29%	3.48
ENGL101	16	11	11	100.00%	10	90.91%	3.30

Overall Outcomes by Ethnicity

Course	Ethnicity	Enrollments	Retention Counts	Retention Rate	Success Counts	Success Rate	Course GPA
MATH015C	Latinx	17	17	100.00%	17	100.00%	---
	Non-Latinx	11	11	100.00%	10	90.91%	---
MATH104	Latinx	17	17	100.00%	12	70.59%	2.50
	Non-Latinx	11	11	100.00%	9	81.82%	3.00
MATH116	Latinx	17	17	100.00%	16	94.12%	3.13
	Non-Latinx	11	11	100.00%	10	90.91%	3.55
PERG120	Latinx	17	17	100.00%	15	88.24%	3.44
	Non-Latinx	11	11	100.00%	10	90.91%	3.55
ENGL101	Latinx	7	---	---	---	---	---
	Non-Latinx	4	---	---	---	---	---

Overall Outcomes by Gender

Course	Gender	Enrollments	Retention Counts	Retention Rate	Success Counts	Success Rate	Course GPA
MATH015C	Female	17	17	100.00%	16	94.12%	---
	Male	11	11	100.00%	11	100.00%	---
MATH104	Female	17	17	100.00%	11	64.71%	2.188
	Male	11	11	100.00%	10	90.91%	3.455
MATH116	Female	17	17	100.00%	15	88.24%	2.875
	Male	11	11	100.00%	11	100.00%	3.909
PERG120	Female	17	17	100.00%	14	82.35%	3.188
	Male	11	11	100.00%	11	100.00%	3.909
ENGL101	Female	7	---	---	---	---	---
	Male	4	---	---	---	---	---

Source: SDCCD Institutional Research Database & cohort information provided by STEM Outreach Support Coordinator.

Previous Cohort Sequence Completion Rates

MATH096 → MATH104 → MATH141 Sequence

	STEM Core
2017/18	43%
2018/19-Track 1	71%

MATH104 → MATH141 → MATH150 Sequence

	STEM Core
2018/19-Track 2	45%
2019/20	31%

*To learn more about previous cohorts, see [STEM Core Three-Year Program Report](#).