



The STEM Program at Santa Monica College

UPDATED 2024

PROGRAM ORIGINS

2011



YEAR SMC RECEIVED FIRST OF **THREE FEDERAL HSI GRANTS** TO LAUNCH AND SUPPORT STEM PROGRAM



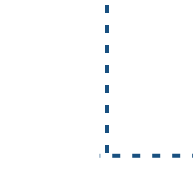
93

STUDENTS IN THE FIRST COHORT OF THE MAXIMIZING ACHIEVEMENT IN STEM (**STEM MÁS**) PROGRAM IN 2012-2013

PROGRAM ELEMENTS

Open Resources

Offers STEM-focused resources and services for **any** student interested in pursuing STEM majors/careers



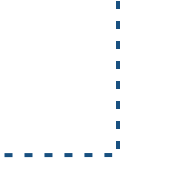
Contextualized Courses

Enrolls students in contextualized research and academic counseling courses



STEM Lab Space

Dedicated physical space for STEM students to study, receive tutoring and peer mentoring, and connect with others



Support Services vs. STEM MÁS Program



Cohort Based

Students progress through their respective STEM programs together



Application Required

Students apply to the program and need to meet specific requirements while in the program



Access to Research Opportunities

A centerpiece of the STEM MÁS program is research opportunities

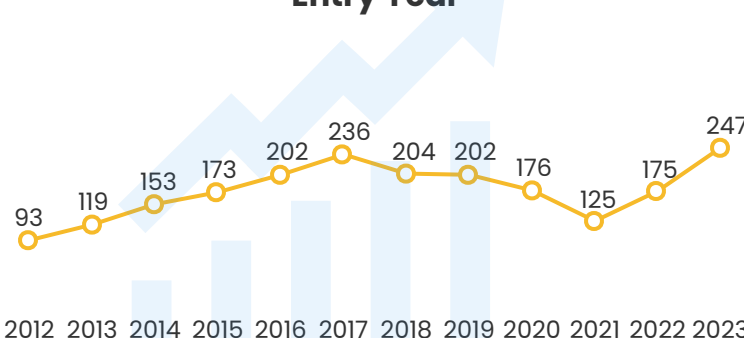
STEM MÁS PARTICIPANTS



2,105

Total number of students served over the life of the three grants (2012-2023)

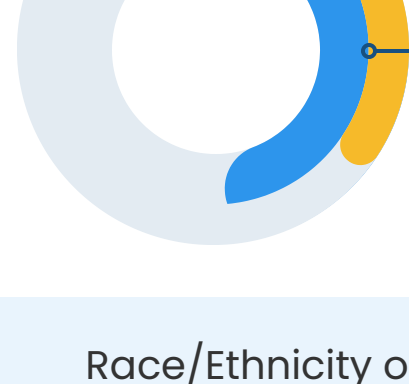
Numbers of STEM MÁS Participants by Entry Year



The number of students who start the STEM MÁS program each year has **doubled or more** in recent years when compared to the original cohort in 2012

STEM MÁS STUDENTS ARE RACIALLY DIVERSE

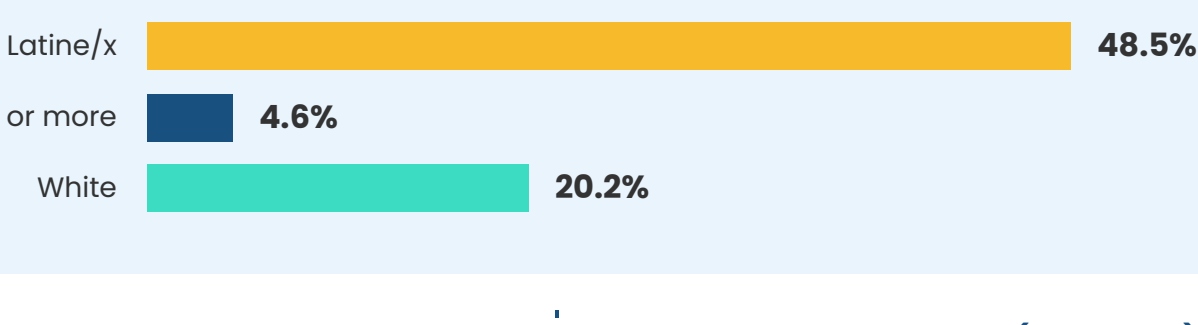
Disproportionately more STEM MÁS students were Latine/x when compared to their representation in the overall college population during the same period (fall terms 2012-2023, credit and noncredit)



36% of the college population is Latine/x

49% of STEM MÁS students are Latine/x

Race/Ethnicity of All STEM MÁS Students (2012-2023)



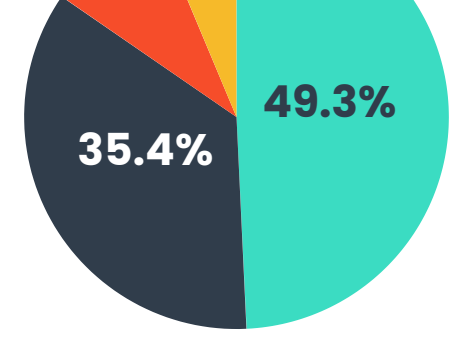
AGE AT START OF PROGRAM (2012-2023)



MALE STUDENTS REPRESENTED

53%

OF ALL STEM MÁS STUDENTS (2012-2023) AND ARE ONLY SLIGHTLY OVERREPRESENTED WHEN COMPARED TO FEMALES



19 YEARS AND YOUNGER ● 20 TO 24 ● 25 TO 29 ● 30 OR OLDER

STEM MÁS OUTCOMES

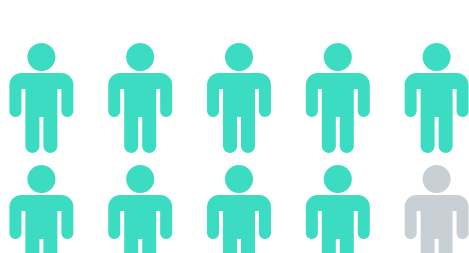
On average, STEM MÁS students* spent



2.6

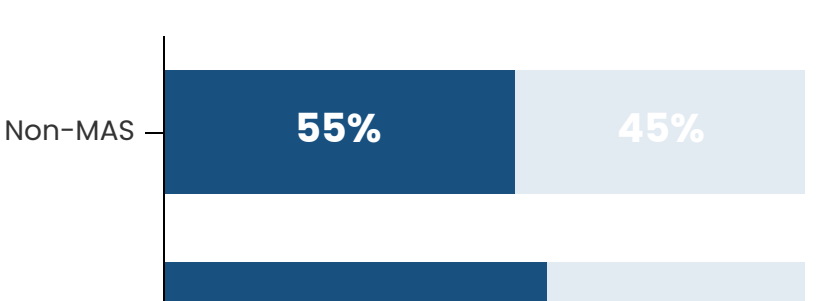
fewer years to complete their STEM courses when compared to non-MÁS students

*STEM degrees earned between 2017-2018 to 2019-2020, excluding auto-awarded degrees



9 IN 10 PERSIST

On average, over 9 in 10 STEM MÁS students **persist from fall to spring semester** (94%)

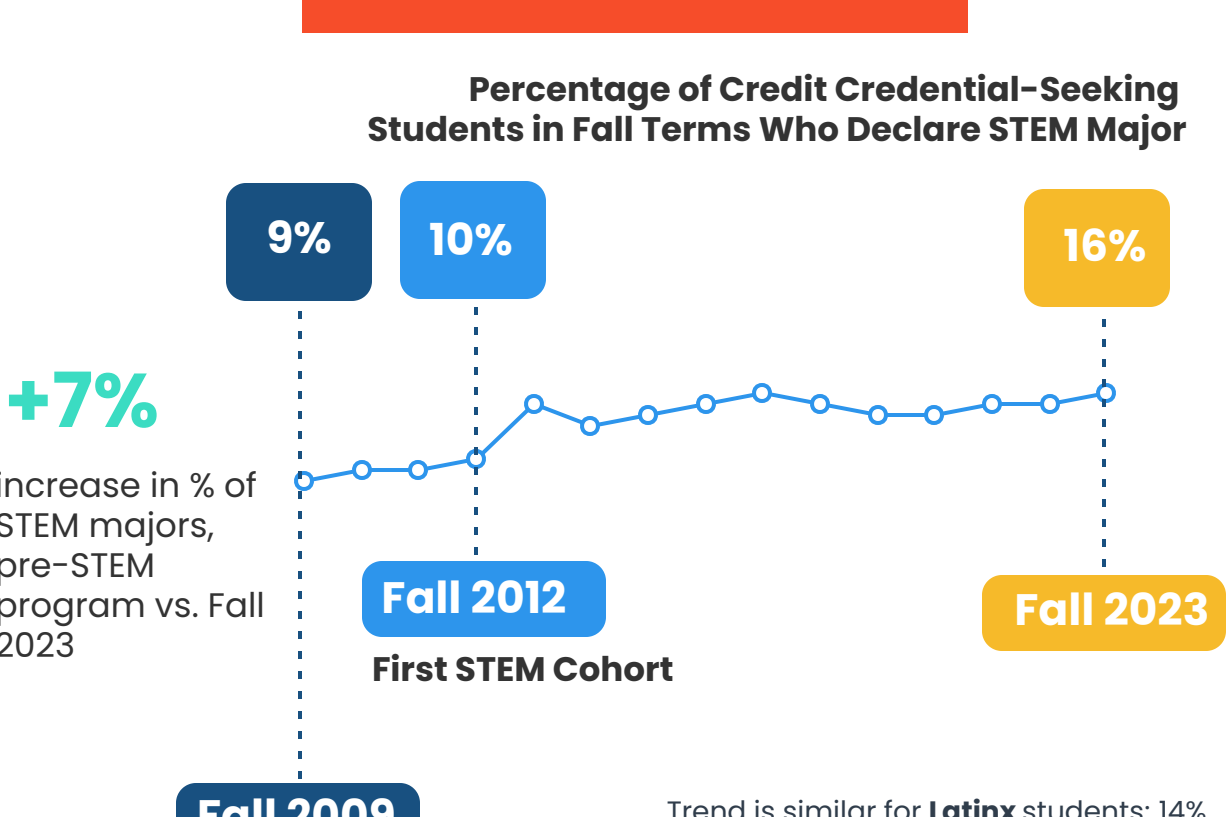


On average, **Latine/x** students successfully completed their STEM courses* at **higher rates** than other **Latinx** students in the same courses, **5% higher**

*Fall 2012 to Winter 2024, Transfer-Level STEM Courses

OVERALL IMPACT

Percentage of Credit Credential-Seeking Students in Fall Terms Who Declare STEM Major



+7% increase in % of STEM majors, pre-STEM program vs. Fall 2023

Trend is similar for **Latinx** students; 14% of **Latinx** students were STEM majors in Fall 2023, an increase of 7% when compared to Fall 2009



34%

of all STEM degrees awarded in 2023-2024 were awarded to **Latinx** students, an increase of 6% when compared to 2014-2015 (28%)

STEM DEGREES

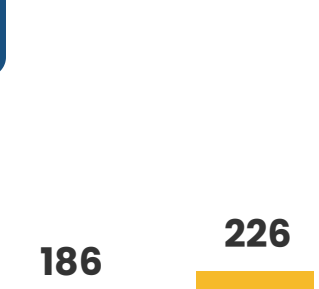
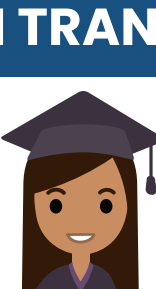


+136

additional STEM* degrees were awarded overall in 2022-2023 when compared to 2014-2015

*Degrees in STEM AOI

STEM TRANSFER



+22%

increase in **annual number of SMC students who transferred into STEM* majors at the CSU and UCs** from 2013-2014 to 2022-2023. The annual number of **Latinx/x** students who transferred into STEM majors at the CSUs improved by **+93%** during the same period.

*Transferred into majors with CIP 03 (Natural Resources/Conservation), 11 (Computer Info Sys), 14 (Engineering), 26 (Biological Sci), 27 (Mathematics), and 40 (Physical Sci)

WHAT STUDENTS SAY



It bolstered my confidence enormously

[The STEM] program helped me realize my love of engineering and problem solving



I like seeing fellow students who are able to conduct research and perform the presentation which inspires me