

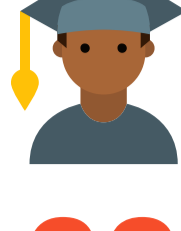
The STEM Program at Santa Monica College

PROGRAM ORIGINS

2011



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



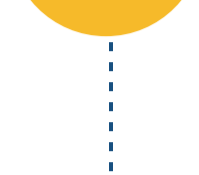
93

STUDENTS IN THE FIRST COHORT OF THE SCIENCE RESEARCH INITIATIVE (SRI) PROGRAM IN 2012-2013

PROGRAM ELEMENTS

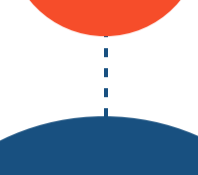
Open Resources

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



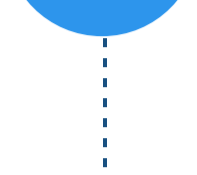
Contextualized Courses

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. SRI 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



UCLA Research Center

A centerpiece of the SRI program is the summer research experience at UCLA

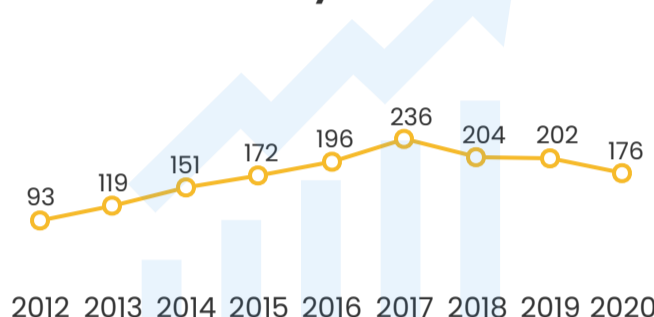
SRI PARTICIPANTS



1,549

Students Participated in the SRI Program between 2012-13 to 2020-21

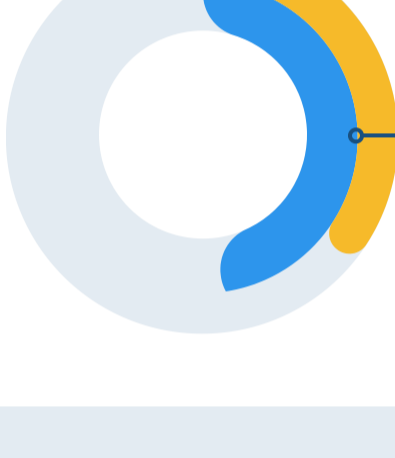
Numbers of SRI Participants by Entry Year



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

SRI STUDENTS ARE RACIALLY DIVERSE

Disproportionately more SRI students were Latinx and Black when compared to their representation in the overall college population during the same period (fall terms 2012-2020)



36% of the college population is Latinx

48% of SRI students are Latinx

SRI OUTCOMES



On average, SRI students* spent

1.2

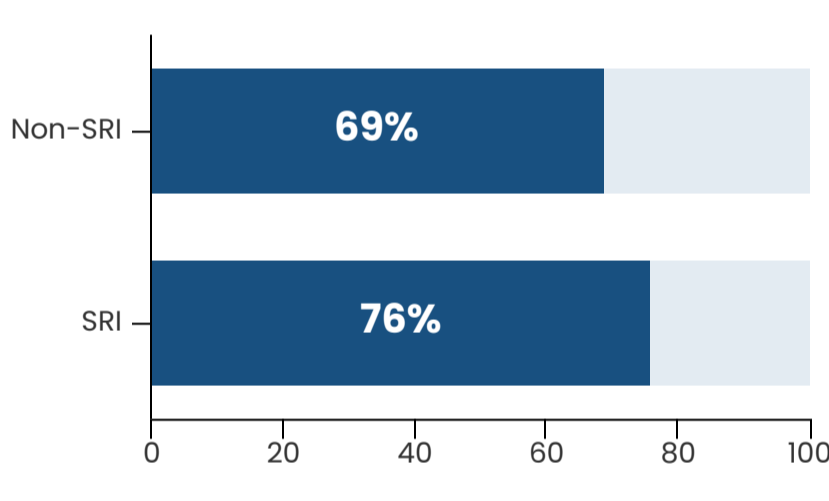
fewer years to complete their STEM associate degrees when compared to non-SRI students

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



9 IN 10

On average, 9 in 10 SRI students **persist from fall to spring semester** (92%)



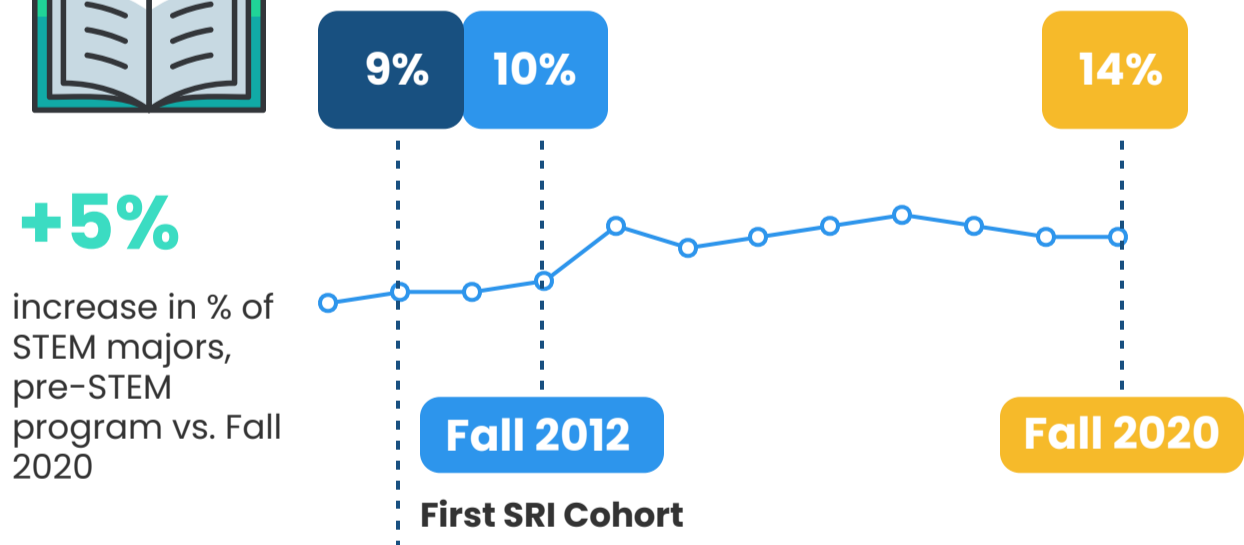
On average, **Latinx SRI** students successfully completed their STEM courses at **higher rates** than other Latinx students in the same courses, **7% higher**

OVERALL IMPACT

STEM MAJORS



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



+5% increase in % of STEM majors, pre-STEM program vs. Fall 2020

Fall 2010 Pre-STEM Program

Fall 2020

Trend is similar for **Latinx** students; 14% of **Latinx** students were STEM majors in Fall 2020, and increase of 6% when compared to Fall 2010



34%

of all STEM degrees awarded in 2019-2020 were awarded to **Latinx** students, an increase of 6% when compared to 2014-2015 (28%)

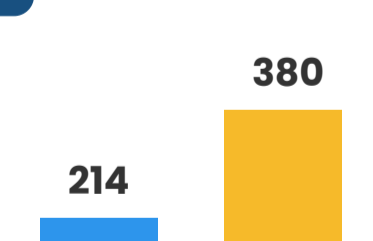
STEM DEGREES



+165

additional STEM degrees were awarded overall in 2019-2020 when compared to 2014-2015

STEM TRANSFER



+78%

increase in **annual number of SMC students who transferred into STEM majors at the CSU and UCs** from 2012-2013 to 2019-2020. The annual number of **Latinx** students who transferred into STEM majors at the CSUs and UCs improved by **+288%** during the same period.

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