

SESI

STUDENT EQUITY AND SUCCESS INITIATIVE

WE ARE STEM

SESI is supported through a grant from U.S. Department of Education, #P031C160230)

SESI *WE ARE STEM*

•What is SESI?

- 5 year, high touch program funded by the DOE, designed to address the lack of success in STEM pathways of our Latino and low income students: the SESI student cohort grows by 30 students every year.
 - Outreach/recruitment
 - Near-Peer mentors
 - Dedicated counseling
 - Focused pathways, acceleration to college-level courses
 - STEM enrichment activities at SCC: guest speakers and field trips
 - In class tutoring and in-place remediation of skills
 - Faculty advising
 - Job placement and transfer assistance

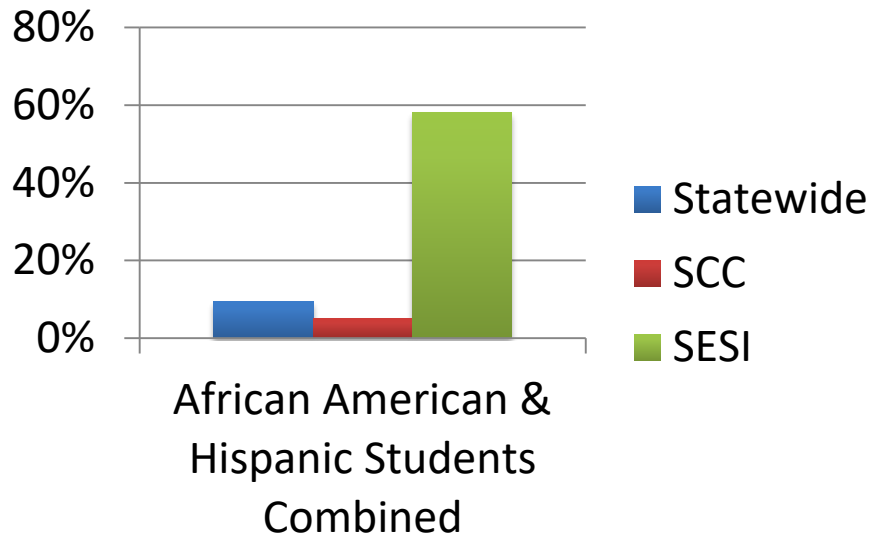
SESI *WE ARE STEM*

- Year 1 Cohort: 31 students
- 21 males (68%), 10 females (32%)
- 27 identify themselves as Hispanic/Latino (87%)
- 3 identify themselves as African American (10%)
- 1 identifies as Multi-Race (3%)
- 29 receive FA, BOG, or both (94%)

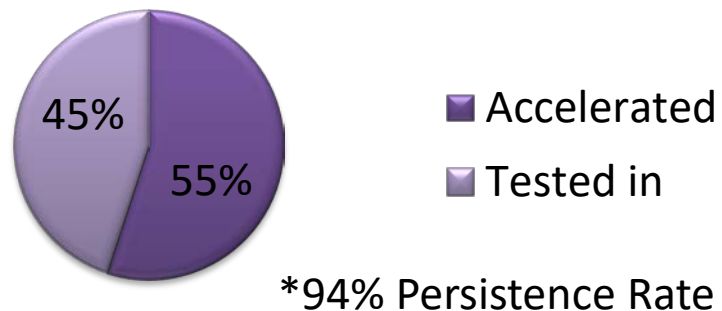
SESI *WE ARE STEM*

First Semester Outcomes
Far Exceeded Expectations!

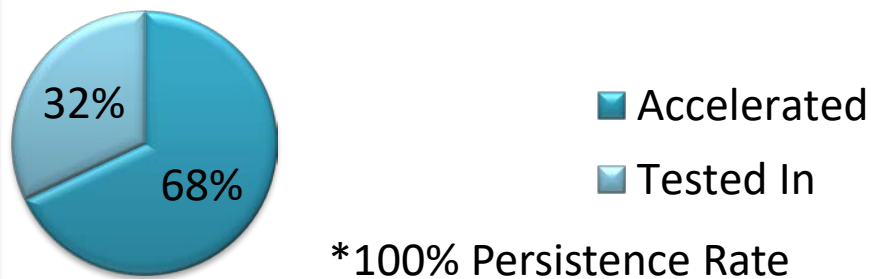
Completion of Transfer Level Math in Year 1



SESI Placement for Math



SESI Placement for ENGWR



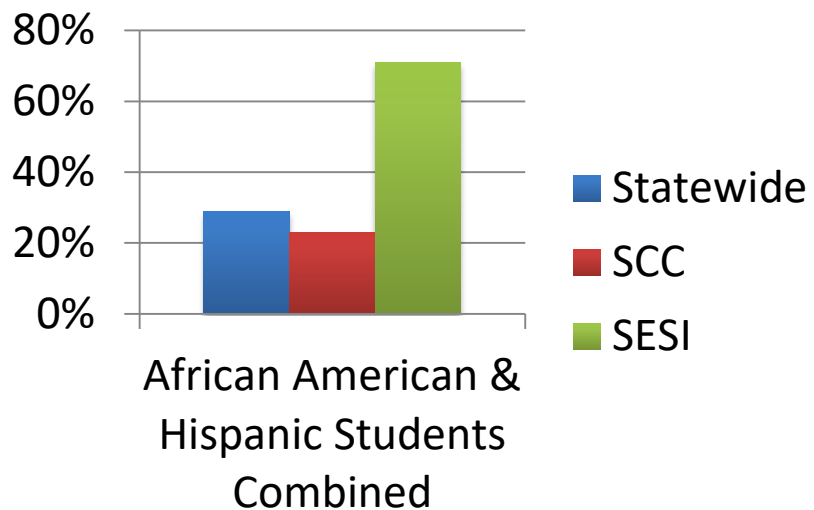
ENGWR 108 (65% pass rate, 97% persistence)

INDIS 499 (97% pass rate, 100% persistence)

LIBR 318 (87% pass rate, 100% persistence)

HCD 310 (100% pass rate, 100% persistence)

Completion of Transfer Level English in Year 1



SESI *WE ARE STEM*

All Remaining Classes

- ENGWR 108 (65% pass rate, 97% persistence)
- INDIS 499 (97% pass rate, 100% persistence)
- LIBR 318 (87% pass rate, 100% persistence)
- HCD 310 (100% pass rate, 100% persistence)

SESI *WE ARE STEM*

- The SESI Professional Learning Community
 - Goals:
 - Develop a common framework within which we can collaboratively assess and assist our at-risk students
 - Share best practices we have either developed personally or discovered through research and communication with others.
 - Continuously evaluate and adjust our teaching approach(es) to best address goal #1:
STUDENT SUCCESS

SESI *WE ARE STEM*

- The SESI Professional Learning Community
- What do we have in common in our course learning outcomes?
 - Critical Thinking Skills
 - Ability to understand and use the scientific method: hypothesis testing, debugging, etc.
 - Ability to analyze data, and solve specific quantitative problems
 - Communication skills: written
 - Research topics, analyze reports and articles

SESI *WE ARE STEM*

- **Spring SESI course enrollment, and faculty anecdotes about student engagement and participation, progress if we have any early data.**

SESI *WE ARE STEM*

SESI future challenges and opportunities

- Scaling the SESI student cohort: increase recruitment by 30/year
- Scaling the SESI PLC, while maintain the amazing learning community culture
- Growth and coordination with affected departments and divisions
- Promoting ‘lessons learned’ about what is working well in SESI to the campus at least: ‘institutionalizing the changes’, or spreading the (beneficial!) virus
- Completing the third leg of our program: after recruitment and acceleration to college level courses comes **successful transfer**

SESI *WE ARE STEM*

**TO LEARN MORE ABOUT SESI,
AND TO SPREAD THE WORD:**

SESI webpage: <https://www.scc.losrios.edu/sesi/>

SESI video: “I am STEM”

https://www.youtube.com/watch?time_continue=21&v=NRKDrQ-e5TU