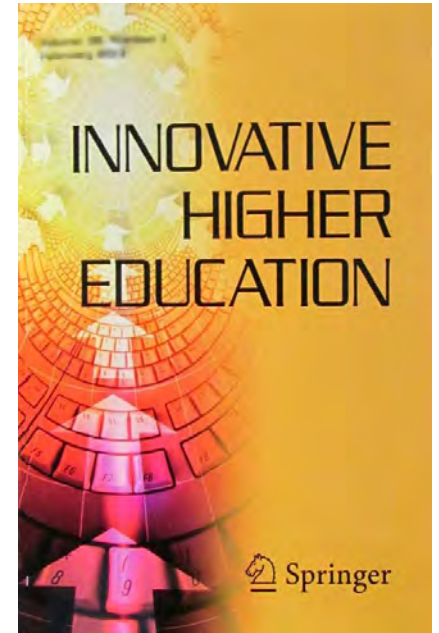


# Brief agenda for **22 April 2020; 4-5 pm; Zoom** **HSI STEM Steering Committee**

1. Welcome (4:00-4:05)
2. Updates (4:05-4:15):
  - a. HHMI/ESCALA
  - b. Developmental math reform
  - c. Evaluation
3. Transfer component update & discussion (4:15-4:40)
4. Discussion of online component/alternative for PBLC's Summer Immersion (4:40-4:55)
5. Announcements & adjourn 5:00



## • ESCALA

- 16 2019 HSU ESCALA Summer Institute Participants complete their certificate in HSI teaching last year!
- That brings us to 27 completers on our campus!
  - BIOL, CHEM, CS, EDUC, ESM, ERE, FISH, FOR, GEOL, MATH, PHYX, NAS, PSYCH,
  - Learning Center, EOP
- We are collaborating with
  - ODEI
  - HSU HSI Steering Committee
  - CTL
  - CNRS
  - Equity Fellows

On next steps, which include creating faculty leaders able to facilitate workshops on campus.

- COVID-19 is impacting our plans. Escala has online content, but there is concern that the relationship building will not be effective.
  - **Should we spend the \$ for online trainings this summer (\$2400/person), or wait?**

## • Faculty Development for AY'20/21 in Place and Traditional Ways of Knowing and STEM

- We are collaborating with our NAS PBLC Colleagues to offer STEM faculty development opportunities to grow understanding of the meaning of place to our local tribes and alternative ways of knowing relevant to STEM and NAS Faculty development on STEM education and epistemologies.
- The first is a discussion on a webinar entitled : We come from the Stars
- **Interested in joining? Email Amy @ AES54**



**Webinar Series: Revitalizing Star Knowledge**

Join us as we share our collective knowledge and weave together Indigenous Knowledge, Astronomy, Science and Mathematics

**Featuring...**

Hohepa Hei **Aotearoa, New Zealand**  
 Te Kahuratai Painting **Ngapuhi, Aotearoa, New Zealand**  
 Dana Nez **Diné, Navajo Technical University**  
 Wilfred Buck **Opaskwayak Cree Nation, MFNERC**  
 Isaac Murdoch **Anishinaabe, Serpent River First Nation**  
 Tehahenteh Miller **Mohawk, Six Nations of the Grand**  
 Juan Carlos Chavez PhD **Yaqui, Sonora**  
 Daniella Scalice **NASA Astrobiology Program**

**Series #1**  
**We Come From the Stars**  
**April 22nd, 2020 7:00pm**

**For more information & to register:**  
[bit.ly/starsweb1](https://bit.ly/starsweb1)

## Grant's "absolute priority"

Increase the number of underrepresented students attaining Bachelor of Science degrees in STEM fields.

**Problem #1** - too few students (particularly students of color) transferring to STEM majors

*Overall 41% of incoming transfer students are underrepresented; 33% are Hispanic.*

New Pathways for Transfer Students

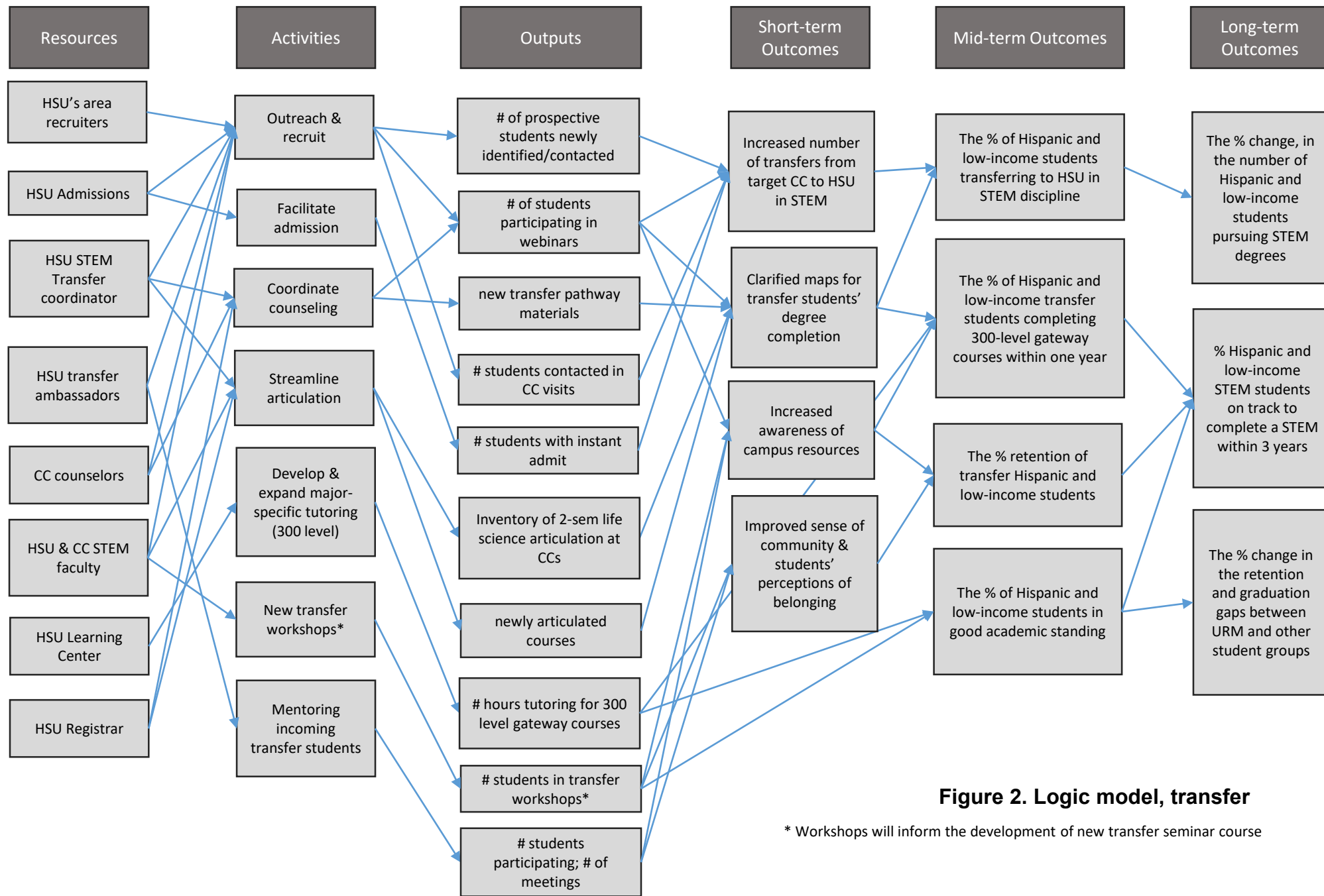


**Problem #2** – Long & inequitable path to STEM graduation for transfers

*4-yr transfer grad is 71% with almost no equity gap, but 2-yr transfer grad is much lower (19%) with a large gap*

**We view graduation not as an end goal, but as a step...**

Diversifying STEM is not only essential for improving science by bringing in a wider range of voices and viewpoints, it is a moral imperative.



**Figure 2. Logic model, transfer**

\* Workshops will inform the development of new transfer seminar course

## New Pathways for Transfer Students



Sarah Bacio

## Pre-matriculation activities

*Shift in perspective toward a prospective transfer student*

*“An early advising period with your advisor before you transfer, or as you are transferring like, before you get here.”*

## Post-matriculation activities

*Provide academic, logistic, psychosocial support*

*“Transfer specific advisors would be really helpful.”*





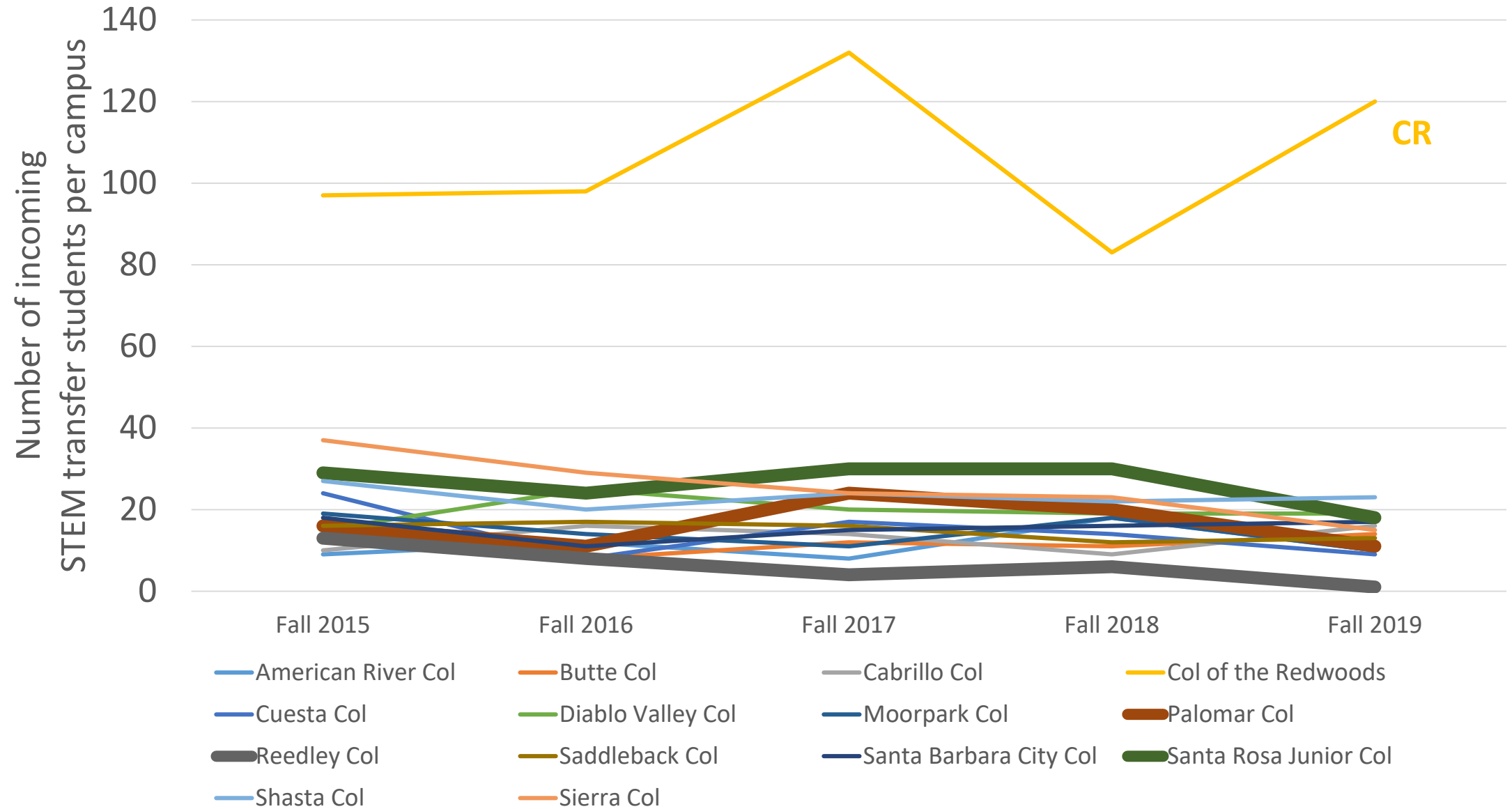
## Pre-matriculation activities

- Streamline articulations **34 courses**
- Coordinate Counseling **14 counselors**
- Outreach & Recruitment
  - Series of Webinars **37 attendees**
  - Pre-transfer advising **146 communications**
  - Spring Preview Campus visits **92 students**

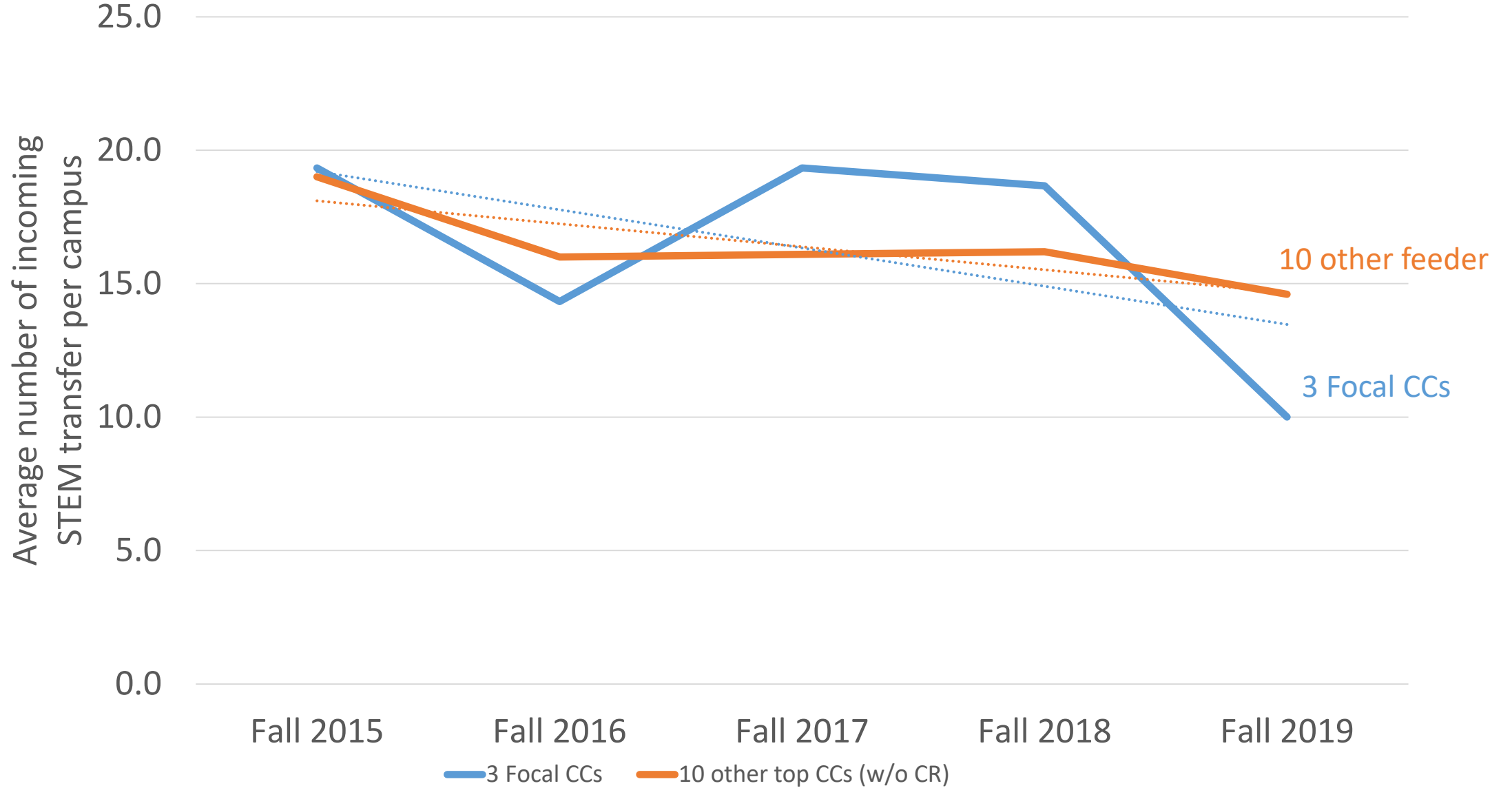
Of 2,762 incoming STEM transfers (2009-2015)...

- 36% still needed college alg. or calc.
- 33% still needed intro chem
- 33% still needed intro botany

# AY '15 - AY '19 Top 14 Community College Feeder Schools

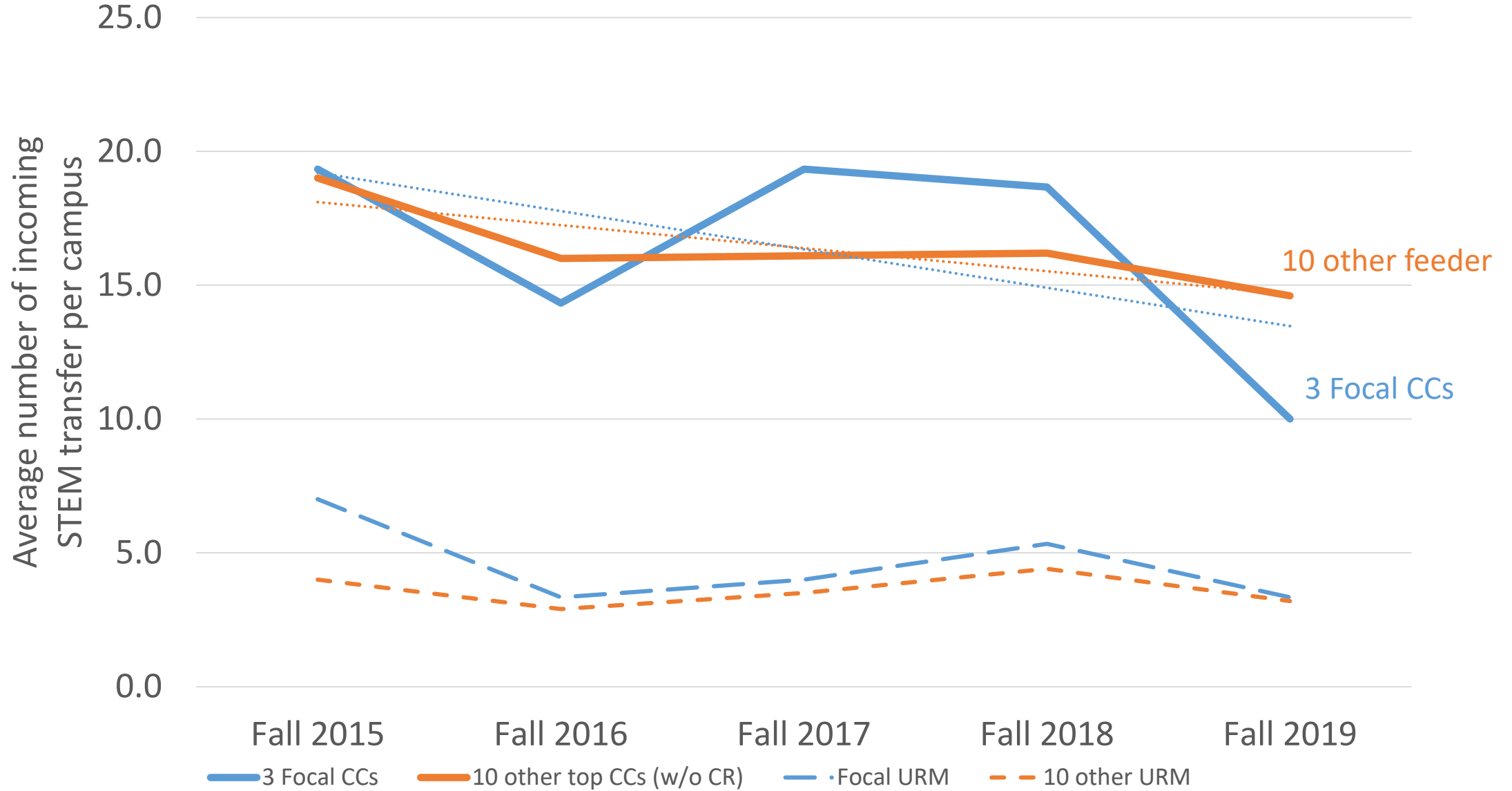


AY '15 - AY '19 3 Focal Community Colleges  
& 10 other Top Feeder Schools  
removed College of the Redwoods





# AY '15 - AY '19 3 Focal Community Colleges & 10 other Top Feeder Schools removed College of the Redwoods





Gilly Black

## Post-matriculation activities

- Pilot transfer seminar course 118 students
- Transfer success skillshops 58 students
- Mentoring 90 students

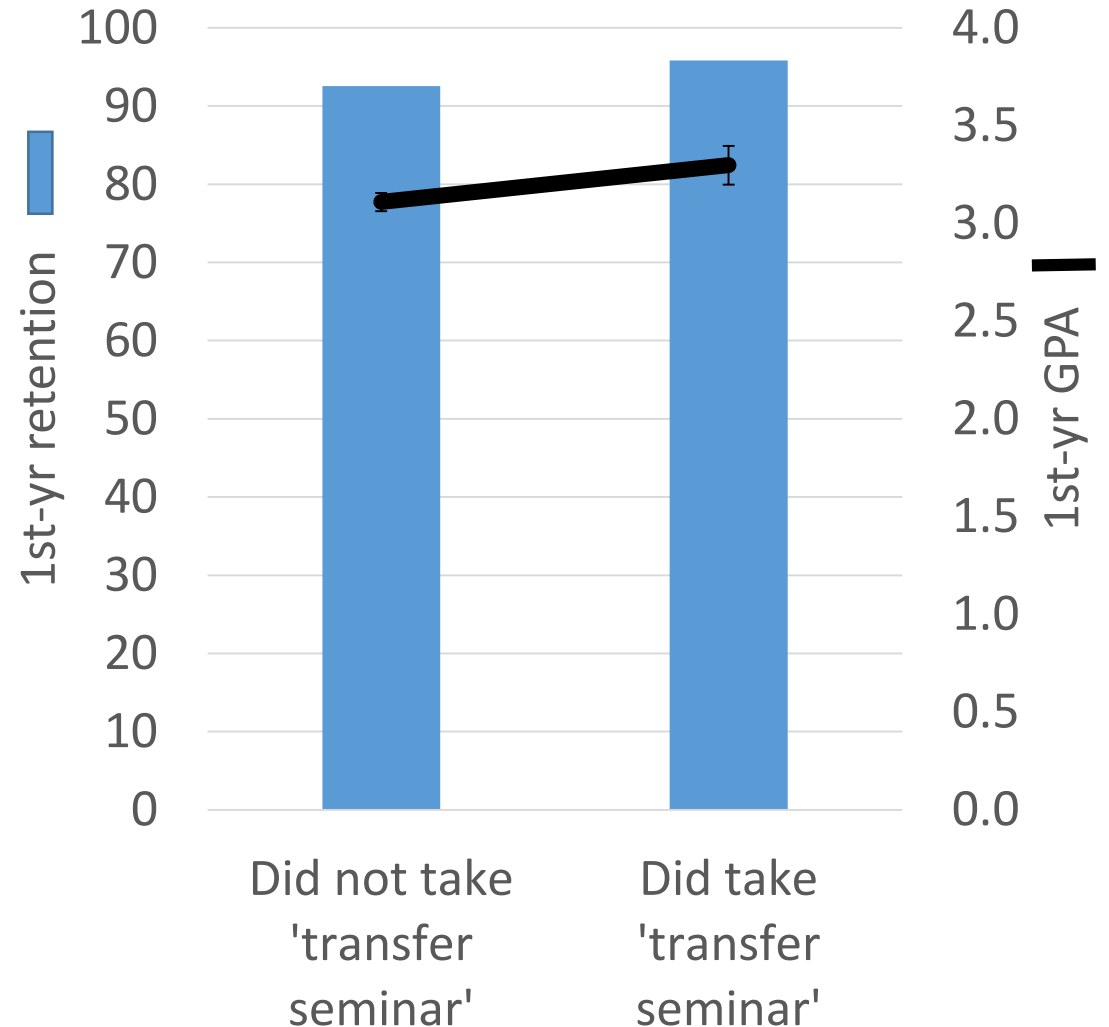
Transfer Success  
**SkillShops**

Thursdays 5:00-5:50 pm  
Scholars Lab  
(Library 3rd Floor)



# Pilot transfer seminar course

- 118 students since Fall '18
- 1 unit
- Wildlife majors (Env Sci)
- Taught by prof advisor (Gilly Black)
- Content focuses on:
  - Academic connection
  - Career prep
  - Awareness of other supports
  - Transfer Skillshops!
  - Registration advising
- 1 yr analysis on Fall '18 class (n = 37)
- *Expand to other majors?*



# Transfer skillshops



Thursdays 5:00-5:50 pm  
Scholars Lab  
(Library 3rd Floor)

8/23 – Getting Connected & Finding Community

8/30 – Setting yourself up for Academic Success

9/6 – Grad School Workshop for Transfer Students  
in Science Majors

9/13 – Mental Health & Managing Stress as  
a Transfer Student

9/20 – Career Exploration for Transfer Students in  
Science Majors

9/27 – Networking in the Sciences

10/4 – Transfer Student Resiliency: Where you've  
been and where you're going

Be entered to win  
\$300 in prizes!

Free HSU  
Transfer buttons!

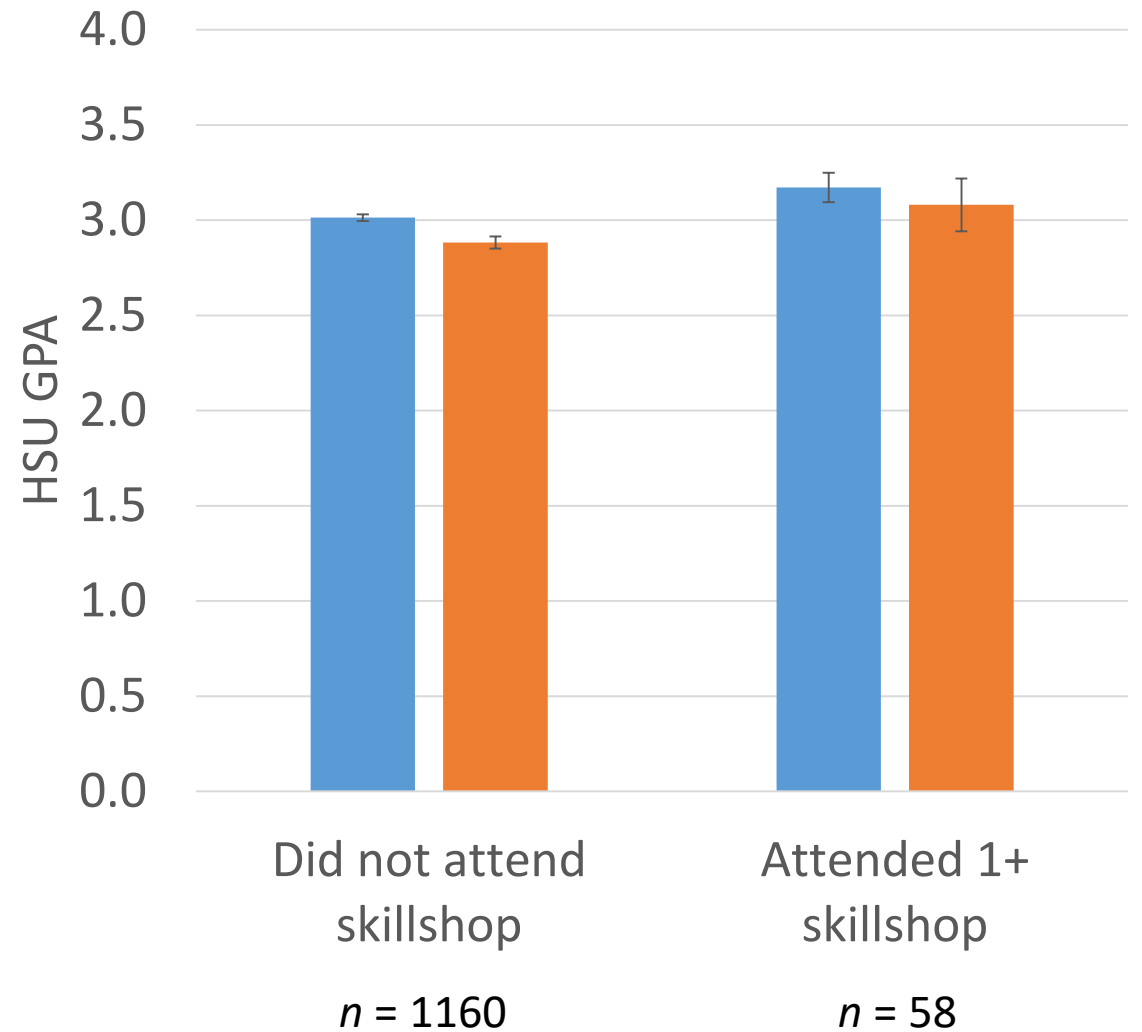
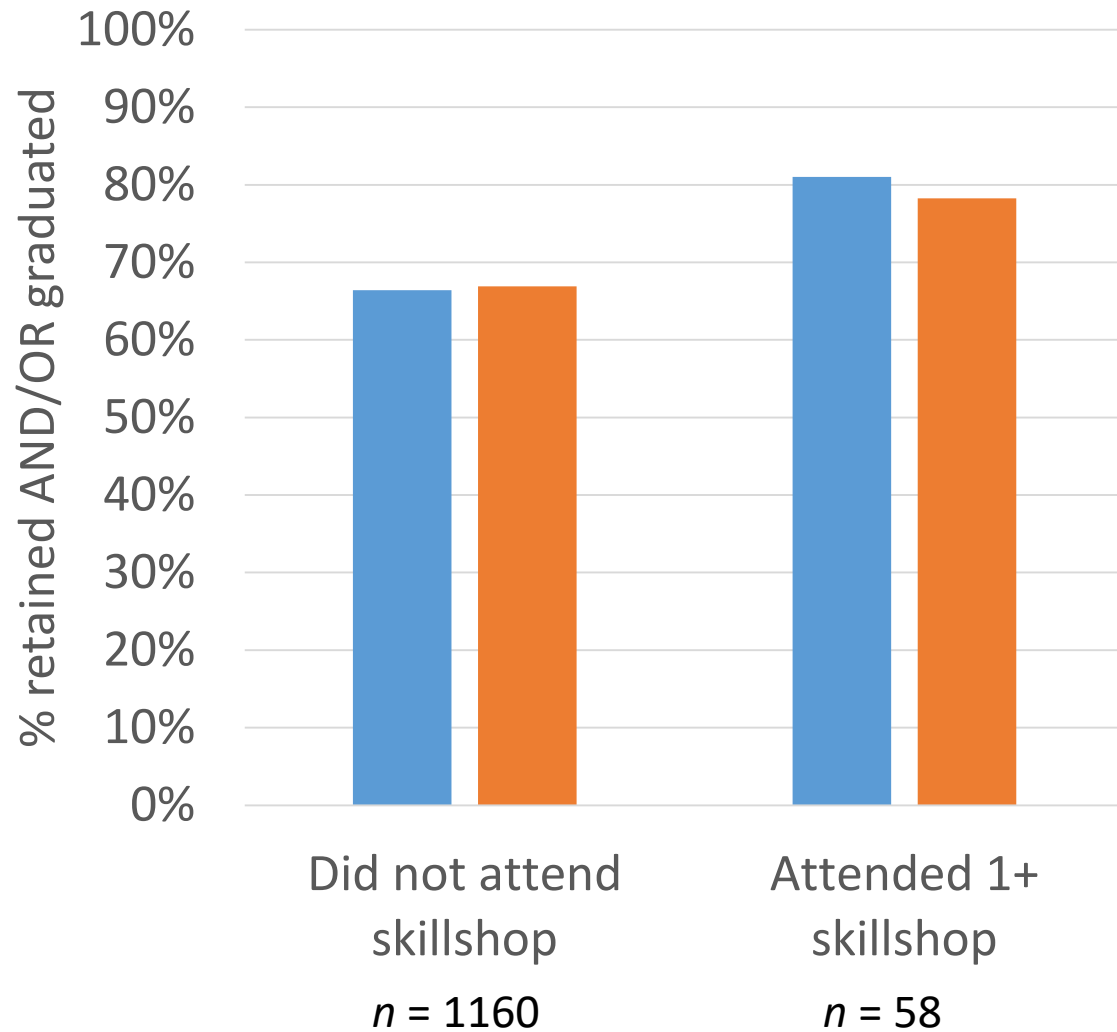


Register now at <http://humboldt.libcal.com/workshops>

## Fall 2018

Date	Title	# Transfer attendees
23-Aug	Getting Connected & Finding Community	7
30-Aug	Setting Yourself Up For Academic Success	24
6-Sep	Grad School Workshop	24
13-Sep	Mental Health & Managing Stress	11
20-Sep	Career Exploration	17
27-Sep	Networking in the Sciences	25
4-Oct	Resiliency	12
5-Nov	Off Campus Housing Insights	1

# Transfer skillshops

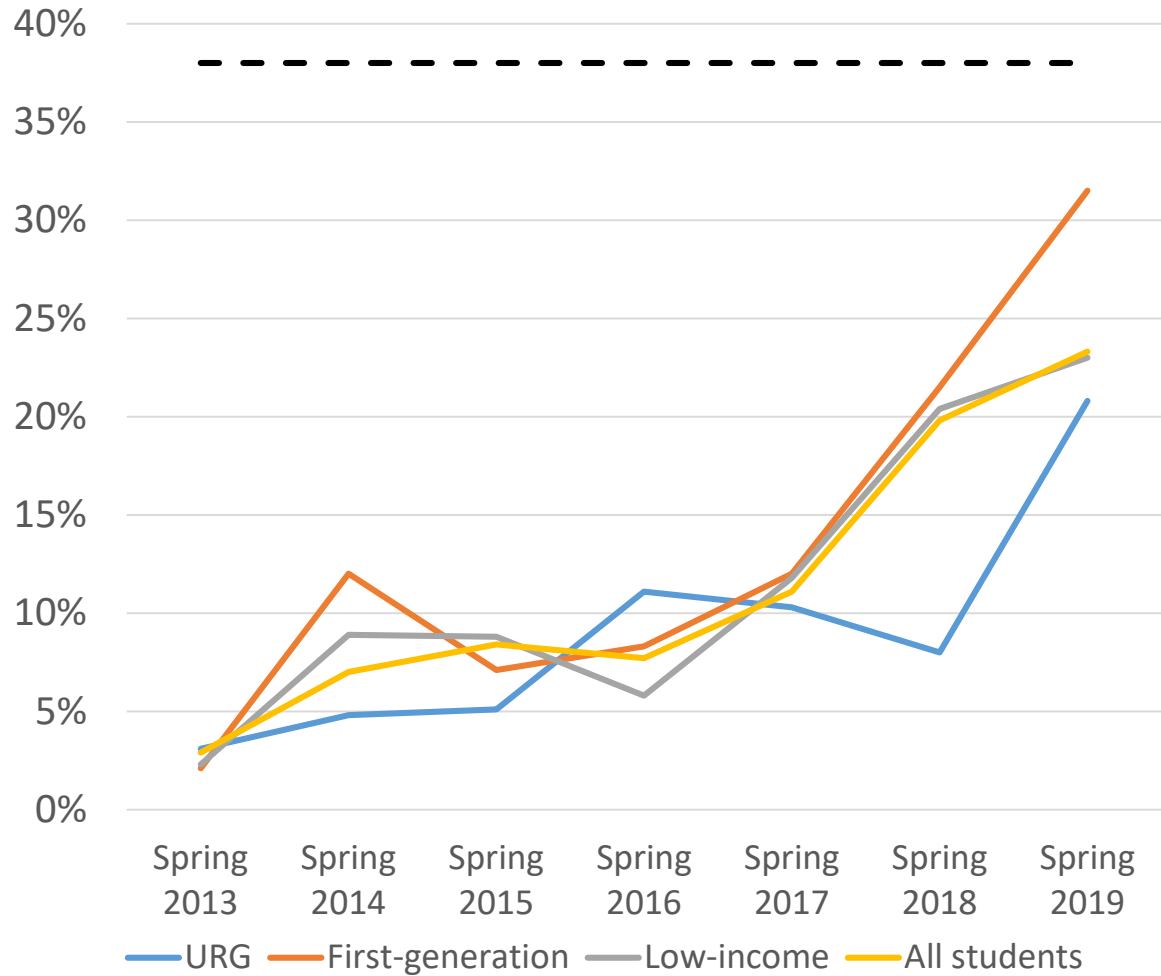


*Resume?*

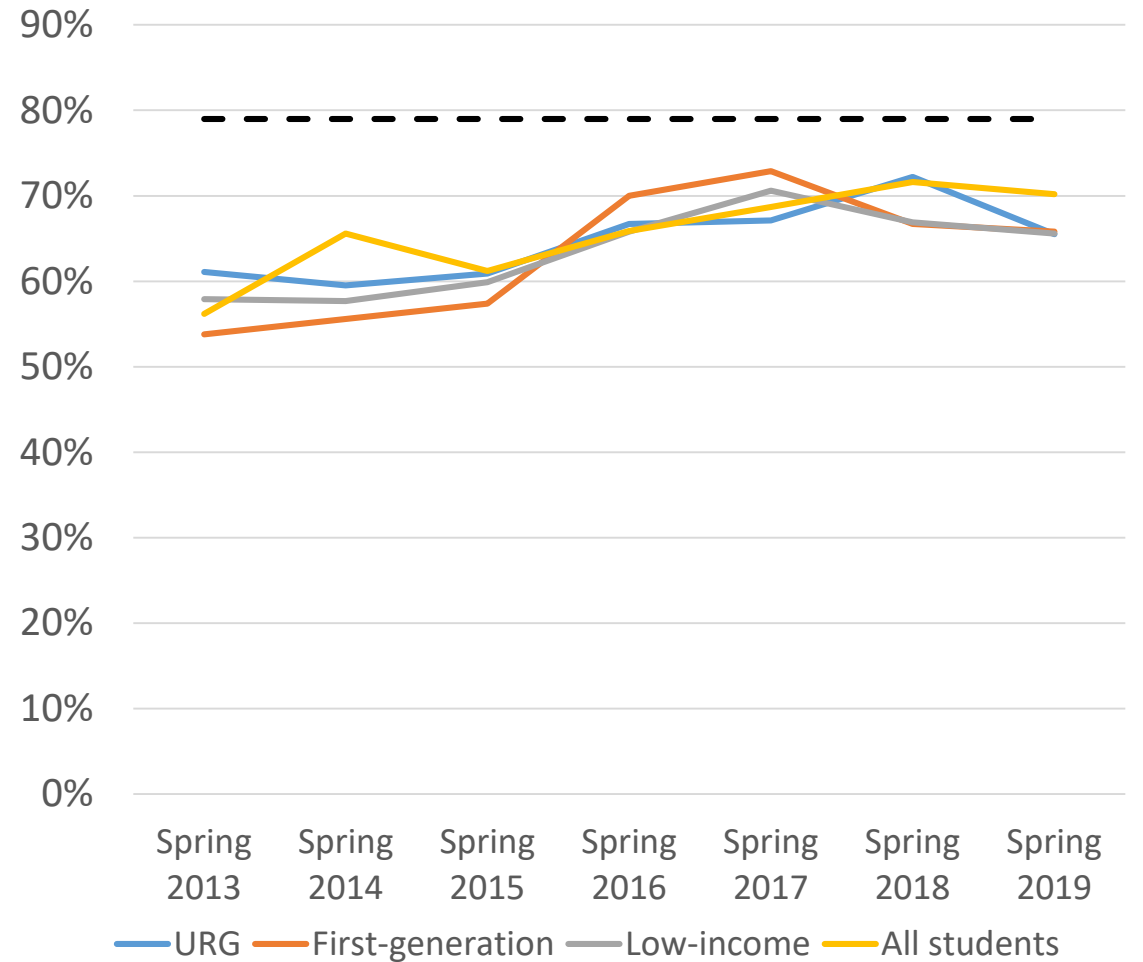
■ All STEM transfers ■ URG STEM transfers

# 'Absolute priority'

## 2-yr graduation rate, STEM transfer students



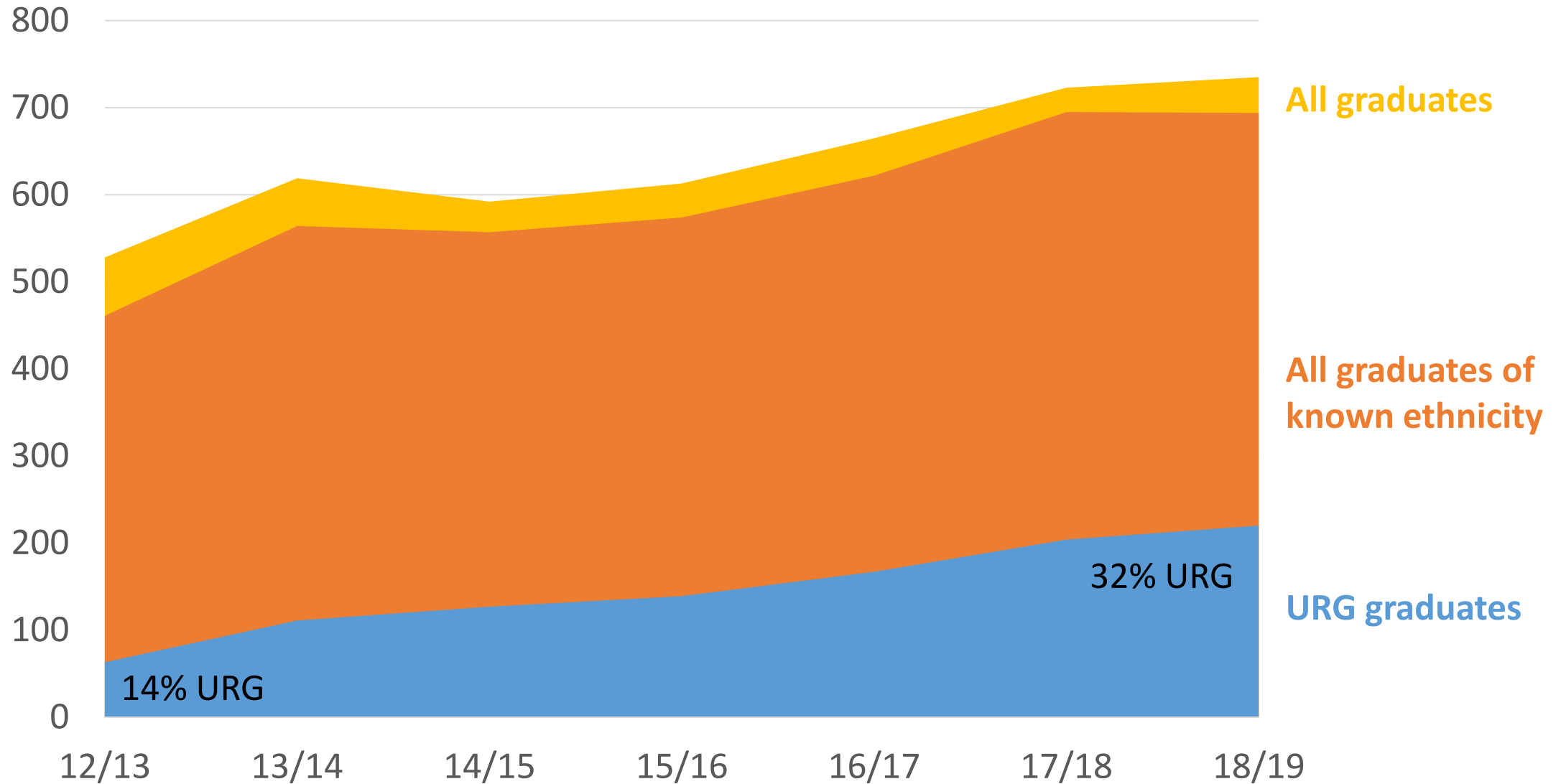
## 4-yr graduation rate, STEM transfer students





# 'Absolute priority'

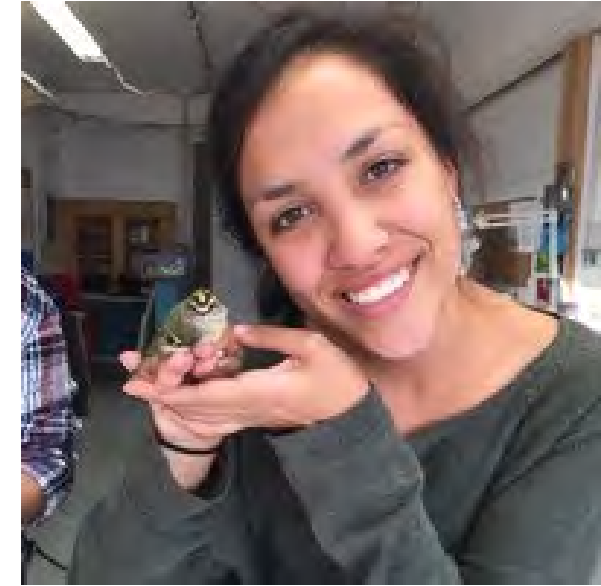
# of undergraduate STEM degrees awarded



# Next Steps...new supports



Sarah Bacio  
Transfer advisor for  
Biological Sciences



Samantha Chavez & Laura Echavez  
STEM *Promotores*  
*Échale Ganas* USDA HSI grant

# Next Steps...steering – which activities to prioritize?

New Pathways for Transfer Students



New hire; 50:50  
HSI STEM &  
Admissions

## Pre-matriculation activities

- Streamline articulations
- Coordinate Counseling
- Outreach & Recruitment
  - Series of Webinars
  - Pre-transfer advising
  - Spring Preview Campus visits

## Post-matriculation activities

- Pilot transfer seminar course
- Transfer success skillshops
- ~~Mentoring~~