AHSIE 2020
CSU HSI-STEM Systemwide Team Meeting

AHSIE Ft. Lauderdale
March 9, 2020

Outline

1. Welcome & Introductions
2. Systemwide Research Findings
3. 2020 CSU HSI-STEM Summit
4. Supplemental Award Announcements
5. Open Discussion

Welcome & Introductions

- Name

- Campus

- Role on HSI-STEM grant

- Upcoming AHSIE presentation(s)
  - ahsieconference.org/virtual/

Findings Systemwide Research Project

- Peer mentoring (Qualitative)
- Transfer articulation (Qualitative)
- Next steps

Peer Mentoring

CSU HSI-STEM Peer Mentoring

1. Range in size (2 to 48)

2. Some are continuation from previous HSI-STEM grant

3. Brand new transfer center (Monterey Bay)

4. Responsibilities include social & academic mentoring only; some also tutor; lead learning community lessons (Channel Islands)

5. Differences in mentees: some campuses serve STEM only; some campuses serve mentees across campus colleges

Peer mentor training

1. 2-5 days
2. Ongoing training during academic year

Topics

Requirements/rules of job, customer service, communication, campus resources, scavenger hunt, role playing scenarios
Social justice, student advocacy, gender and sexuality, team building, identity check-in,

Ongoing training

1. Weekly meeting with theme that mentors incorporate during mentoring that month (Chico)
2. Mentor Collective modules (Northridge)
3. Topics based on time of year (transitioning at beginning of fall; midterms; finals)

Communication between mentor & mentees

1. Email
2. Text
3. Google Voice Number (Humboldt)
4. Slack (Fullerton)
5. YouCanBook.me to schedule appointments (Fullerton)
6. Campus Blackboard
7. Program creates newsletter

Mentor-mentee contact points

1. Required number of meetings (can be 1:1 or group; in person or via other communication)
2. Attending a campus event or workshop together
3. Campus "field trip" like going to professor's office hours (Bakersfield)
4. Zipline course on campus (Bakersfield)
5. Staff vs. Mentor/Mentees Whiffle Ball competition in spring (Chico)

Mentor-mentee matching

1. Major
2. Gender
3. Hometown
4. For transfers: CCC of origin
5. Other background (e.g., Veteran status, first-gen status)
6. Challenges
   1. Matching with majors of small programs
   2. Recruiting/retaining engineering majors

Transfer Articulation

AHSIE Presentation
Tuesday 9:45am

ahsieconference.org/virtual/

Challenges Students Faced

At CC Campus
- Limited upper-division STEM offerings
- "Shopping around" for a major, take wrong version of class
- Advised to complete as many GE courses as possible
- Did not take pre-requisites
- Don't know which univ. they will be attending

- Can't register until course approved
- Getting course approval in the summer
- Impacts priority registration

At CSU Campus
- Sequential nature of STEM classes
- Required to take entire sequence at same institution
- Lab requirements
- Unaware of course substitution process

Delayed time to degree

Challenges: Transfer Articulation

Turnover	• Buy-in • Who to contact?
Relationship- building	• Involving staff and advisors • Issue of "turf"
Changing nature of articulation	• Curriculum changes • New policies
Time	• Creating MOUs take a lot of work • Lack of "human power" to keep up with articulations

Challenges: Transfer Articulation

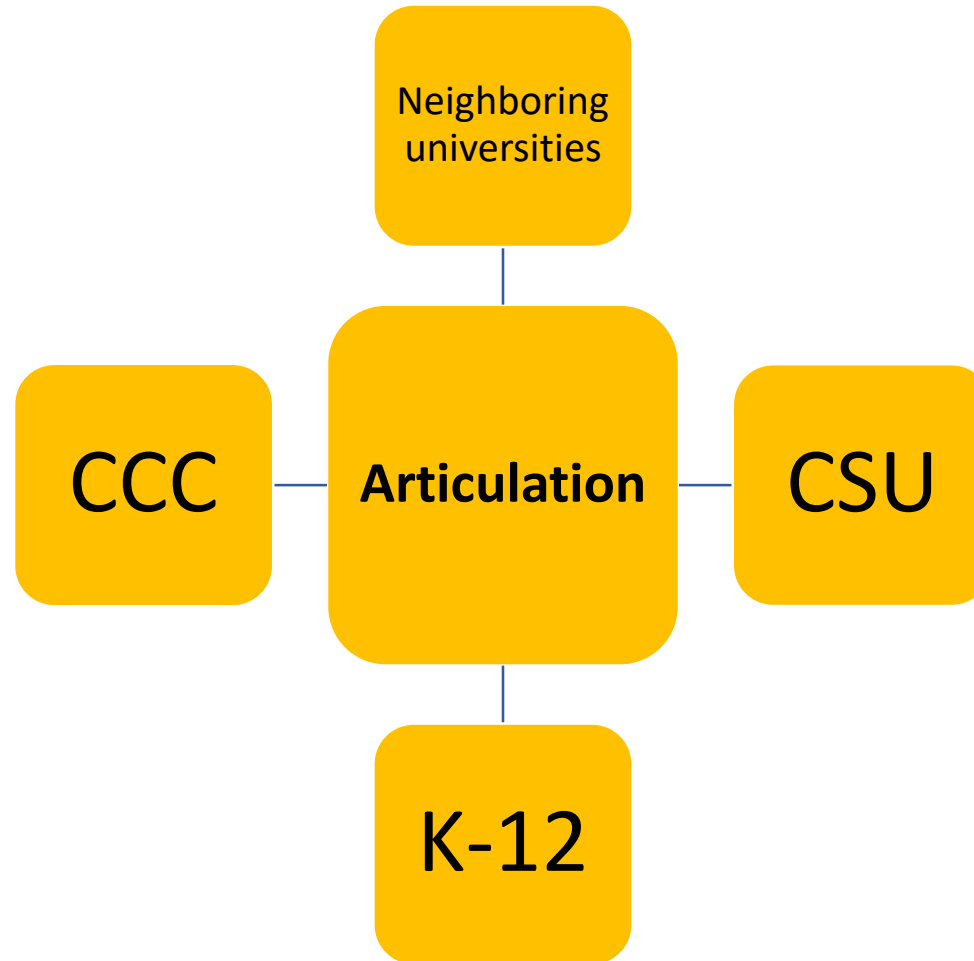| Silos	• Acquiring data across • Relaying information across offices
Technology issues	• Assist.org • C-ID.net
Freshmen-focused programming	• Many CSUs have 1:1 freshman-transfer ratio • Prospective transfer student
Campuses in remote areas	• Recruiting students • Feeder schools are not nearby

Who's Involved?

Community College

- Articulation Officers
- Transfer Advisors
- Counselors
- Transfer Center Coordinators
- Key STEM Faculty
- STEM Deans or Associate Deans
- Campus President (when creating MOU)
- MESA Directors
- EOPS Directors
- STEM Internship Manager or Director

Neighboring universities

CCC — Articulation — CSU

K-12

CSU

- Articulation Officers & Team
- Advisors (STEM and Campus)
- STEM Faculty
- STEM Department Chairs
- STEM Deans or Associate Deans
- Admissions
- Enrollment Services
- Registrar
- Director of Transfer Outreach
- Academic and Career Advising Centers
- Community College Liaison
- Campus President (when creating MOU)

Successes: Transfer Articulation

- Completed Articulation Agreements: 2000+!
- Completed Transfer Roadmaps
- Completed MOUs
- Building relationships
  - Getting people in a room in person
  - Leads to greater opportunities
    - CCC faculty adjuncting at CSU
    - Collaborating on research
    - Collaborating on workshop topics like CRP
- More students coming in with proper pre-requisites
- HSI-STEM grant provided opportunities:
  - One campus hired student workers to work on articulation administrative work
  - One campus said it provided opportunity to tackle a big project that could have a big impact on future transfer students
- Improved transfer graduation rates

Best Practices: Intersystem Articulation Summits (3 campuses)

- Full-day
- Transfer Admission Trends and Updates
- Articulation Updates
- Workshop: Identifying Transfer Student Challenges and Solutions
- Disciplinary Work Group Discussions
- Bottleneck Courses and High-Impact Practices Discussion
- Faculty panel
- Transfer student panel
- Campus tour
- Opportunities for networking

Best Practices: Outreach (1 campus)

- Example: one CSU campus in a remote area, affordable, non-impacted
- Campaign to visit ~25 CCCs
  - Transfer fairs
  - Met staff (Transfer Center, advisors) and faculty
  - Got to know background of transfer students and who was interested in STEM
  - Invited students from one CCC to attend the campus "engineering cart race" event; bus full of CCC students attended

Next Steps

- Peer mentoring (multi-level PSM)

- Transfer articulation (quantitative)

- Research brief drafts
  - Peer mentoring
  - Transfer articulation

- Qualitative: undergraduate research

2020 CSU HSI-STEM Summit

- Monday, June 8, 2020: 12:00-5:00pm (Afternoon Half-Day)
  - Led by Ganesh Raman (Assistant Vice Chancellor of Research) and Frank Gomez (Executive Director of STEM-NET)
  - Participants include NSF and DOE funders
  - CSU NSF and DOE grantees
  - Purpose: bring together CSU campuses funded by NSF HSI-STEM grants and CSU campuses funded by DOE

- Tuesday, June 9, 2020: 9:00am-5:00pm (Full Day)
  - Topics: moving from formative to summative evaluation and mapping of GI 2025

- Location (TBD): Half-day Chancellor's Office and full-day CSU Long Beach

Supplemental Award Announcements

- Past webinars:
  - Institutionalization of Program Components: Avery Olson & Don Haviland
  - Overcoming Challenges in Evaluation: Rebecca Eddy & Steven Margell
  - Creating Sense of Belonging for STEM Students: Charles Lam, Jaimi Paschal, Iqbal Atwal, and Harold Stanislaw
- Policy/practice briefs
- Transfer Articulation Modules
- Website: http://www.csulb.edu/hsi-stem-lessons-learned

Open Discussion