

Louis Stokes Alliances for Minority Participation (LSAMP)

Bridges to the Baccalaureate (B2B):
Supporting Students' Transitions into
Bachelor's Degree STEM Programs

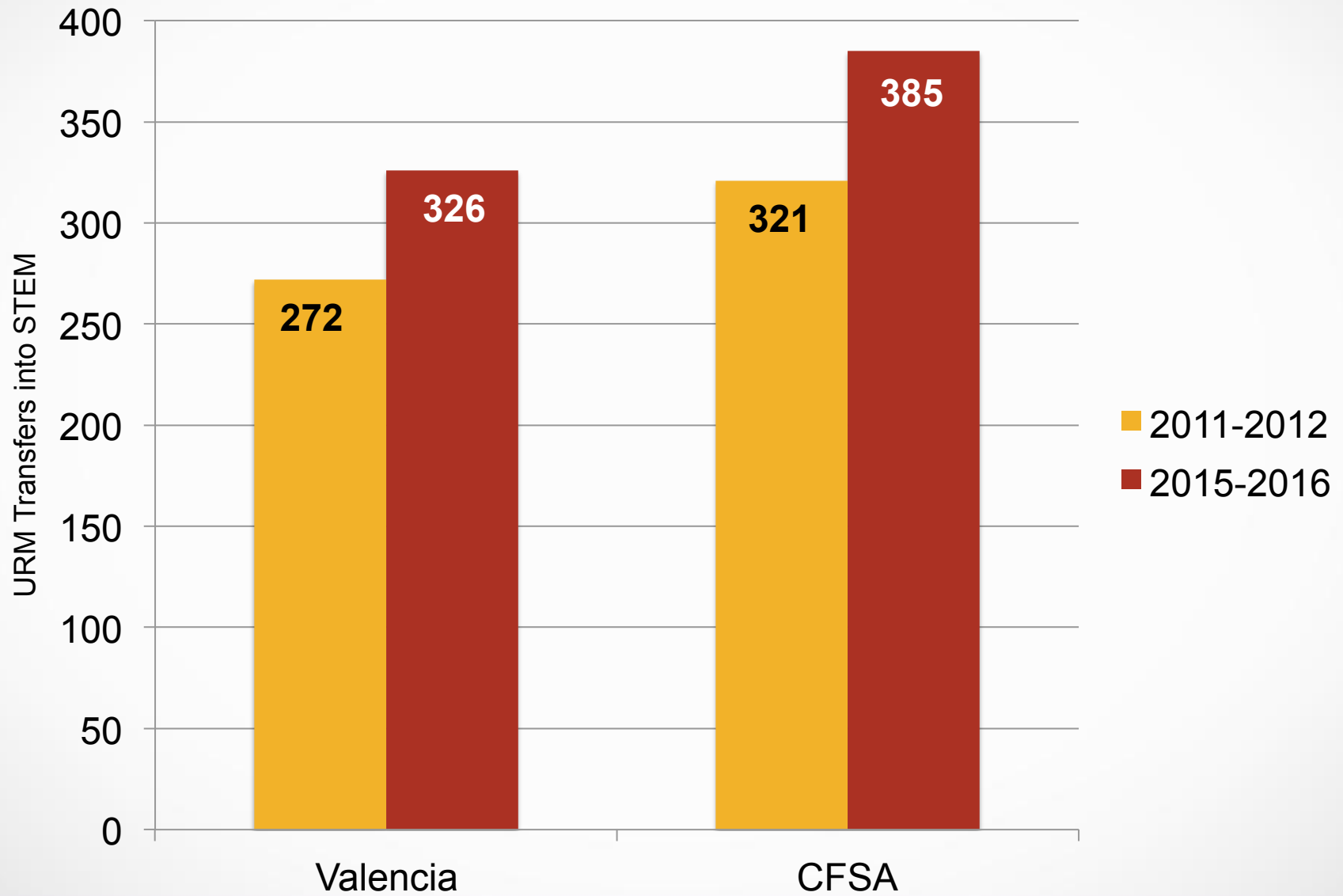
VALENCIA COLLEGE

The Central Florida STEM Alliance operates under a grant from The National Science Foundation, HRD-1304966.

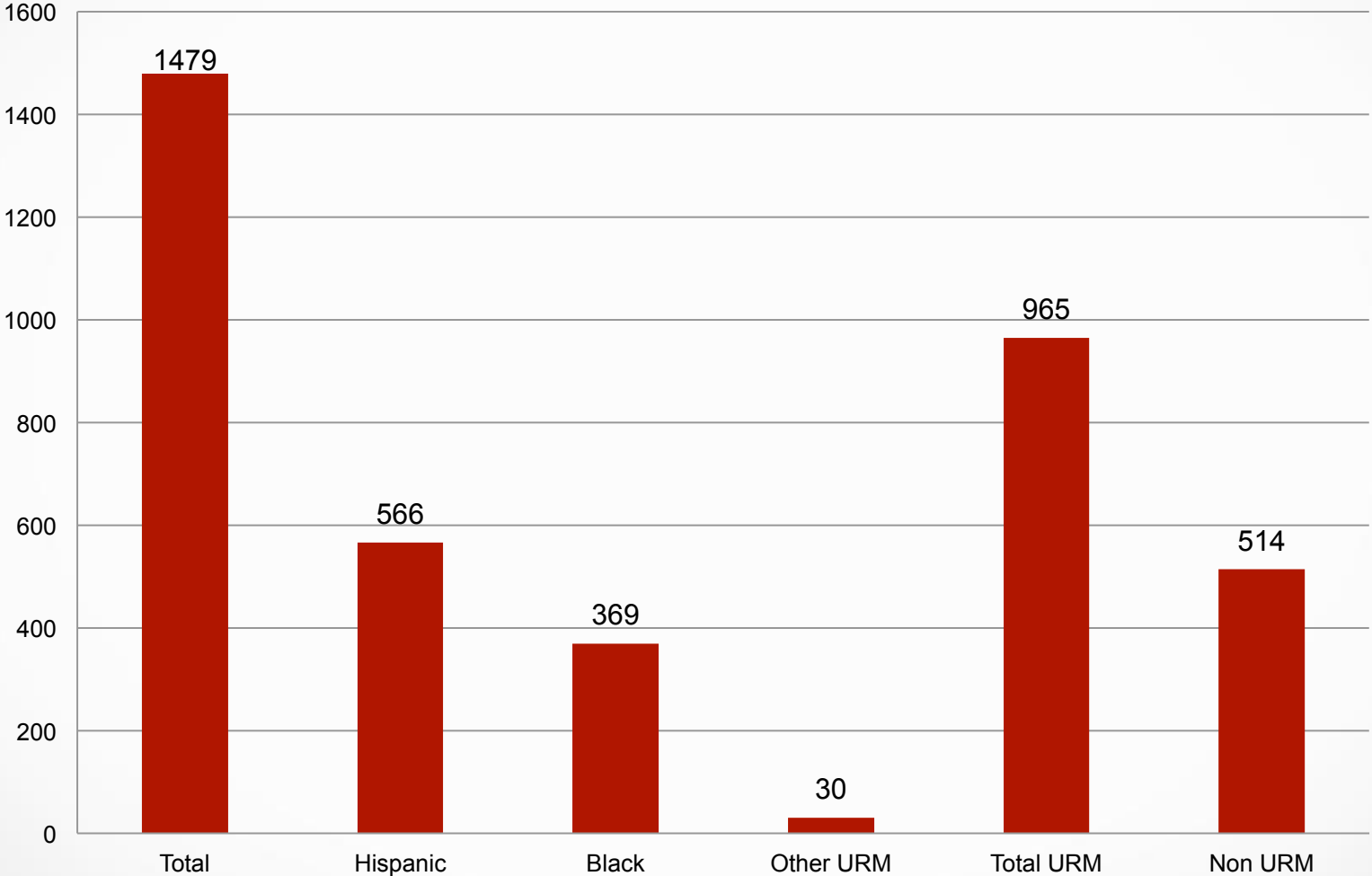
Goal of Central Florida STEM Alliance LSAMP B2B Program

To double the number of underrepresented minority (URM) students transferring from Valencia College, Seminole State College, and Lake-Sumter State College into STEM baccalaureate degree majors.

Progress



Valencia College – LSAMP Enrollment by Ethnicity and Race



Key Elements of B2B at Valencia

- Dedicated STEM Advisors on East, Osceola, and West
- Spring semester student conference for Central Florida STEM Alliance students
- Variety of co-curricular experiences
- LSAMP Scholars Program



LSAMP Scholars Program

Signature Element of B2B at Valencia

- Assistantships
- Internships

Both offer opportunities in:

- Science laboratories
- STEM outreach
- Mentored undergraduate research

Major Program Requirements

- Complete at least 80 hours of research, outreach, or lab experience
- Submit pre- and post-surveys and weekly reports
- Meet one-on-one with librarian
- Attend four cohort meetings
- Make poster presentation during end-of-semester showcase

Participants to Date

- 7 cohorts of LSAMP Scholars
- 66 students in 72 placements
 - Research – 31
 - Laboratory – 20
 - Programs – 17
 - Agency - 4

Other Outcomes

- 12 scholars have attended national STEM conferences
- 4 scholars have presented at national STEM conferences
- 2 scholars have participated in REUs (Research Experiences for Undergraduates)
 - The Ohio State University
 - North Dakota State University
- 10 seats held for Valencia students for REUs at the University of Florida for Summer 2017

LSAMP Showcase

December 9, 2016 – 1:00-3:30 PM
Valencia College West Campus, 8-111

An Analysis of Materials Properties Prediction Using a
Nondestructive Method

Millikan's Oil Drop Experiment: Understanding the Nature of
the Electron Charge

Optimization of Polymerase Chain Reaction (PCR) Method of
GMO Gene in Plant-Based Food

Extraction of the Active Chemicals in *Allium sativum*,
Cinnamomum zeylanicum, and *Cuminum cyminum* to
Inhibit the Growth of *Enterococcus faecalis*

Synthesis of Banana Oil

Questions?