



HSI/Title V Grant: *Gateway to STEM Success*

March 2, 2016

Las Positas College Town Meeting

Source of Funds:	U.S. Department of Education
Award Amount:	\$2,395,249
Term:	October 1, 2015 – September 30, 2020
Cycle:	Year 1 of 5

This “Gateway to STEM Success” project will focus on:

- Faculty development and math course and sequence redesign*
- Coordinated student support services to ensure that Hispanic and other high-need students get the specific support needed*

Goal 1: Provide Faculty Professional Development to Enhance STEM Curriculum/Education.

- a. Engage faculty in professional development around best practices. (pedagogy)
 - i. Growth Mindset, Reading Apprenticeship for STEM
 - ii. Accelerated math
 - iii. Introductory STEM courses
 - iv. OnCourse training

- b. Improve sequences of Math courses that are prerequisites to STEM courses and majors (curriculum)
 - i. Emporium Model – mode change
 - ii. Streamlining and revising courses
 - iii. Pacing – Fast Track, students to be Calculus ready in one year

Goal 2: Blend Academic and Student Support to Increase Success of Hispanic Students in STEM Programs.

- a. Increase college going rate for Latino students
 - i. All high need students
 - ii. Create a cohort of students

- b. Increase Latino student success in Math gateway (STEM pre-requisite) courses
 - i. Math Jam
 - ii. Tutoring services
 - iii. Mental Toughness
 - iv. Growth Mindset

- c. Increase the number of Latino students entering and completing STEM programs and entering workforce training programs
 - i. Work Experience/Internship Programs
 - ii. Transfer Success

Goal 3: Integrate and Scale-Up Title V Enhancements to Reduce Disproportionate Impacts Across the Institution.

- a. Work to scale the Title V enhancements to other Basic Skills, STEM, and other college courses
- b. Develop a sustainability initiative
 - i. Master Plan
 - ii. Strategic Plan



5 Year Grant

Year 1

- Get organized
- Research effective practices
- Confirm baseline data and reaffirm outcome metrics
- Deliver professional development opportunities

Year 2

- Professional development continues
- Curriculum and course redesign work
- Recruit additional under-represented students into STEM
- Bolster support services for STEM students

Year 3

- Implement Accelerated Math
- Increase student access to STEM majors

Year 4

- Support students through STEM pathways
- Continued Implementation of new Accelerated Math pathways

Year 5

- Revise and expand activities based on evaluation results