



Hartnell College Office of Advancement and Development Grant Pre and Post Award Form

October 2013

1. Funding Agency/Organization and Title of Grant Project			
National Science Foundation Scholarships in Science, Technology, Engineering and Mathematics (S-STEM)			
2. Applicant		Fiscal Agent	
<input checked="" type="checkbox"/> Hartnell College <input type="checkbox"/> Other		<input checked="" type="checkbox"/> Hartnell College <input type="checkbox"/> Other	
3. Submitted		Submission Date	4. Awarded
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		9-22-15	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
If not submitted, why?		Reviewer Notes Attached	
Hartnell College Board of Trustees report date:			
Abstract:			
See attached			

PROJECT SUMMARY

Hartnell College's application to the National Science Foundation's S-STEM program proposes funding under Strand 2: S-STEM Design and Development, single institution, for the *Salinas' Talented and Rising STEM Students* (STARSS) Fellowship Program. The program will improve the enrollment, retention, graduation and/or transfer of disadvantaged, underrepresented, and academically talented students in STEM majors. The project will specifically target math achievement using high quality extant curricular and cohort-based co-curricular activities. The project will contribute evidence on the effectiveness of expanding/enhancing an ecosystem of supports for academically talented but economically disadvantaged STEM students through increased curricular and co-curricular services.

Hartnell College's student body is comprised largely of disadvantaged and underrepresented students, with a migrant farming background, who are first generation college students. Ninety percent (90%) of Hartnell students receive partial financial aid.

The project's objectives will result in awarding scholarships to students who will: 1) Receive an associate degree in one of the STEM disciplines; 2) Transfer to a baccalaureate degree program; and/or 3) Successfully complete a milestone within an associate degree program that is described as a point of unusually high attrition.

During the project's five years, 80 scholarships will be awarded to eligible, qualified students in STEM majors. Scholarship awards will be up to \$10,000 per year for a maximum of two years. Awards will be based on Federal financial aid requirements and demonstrated academic ability. Prospective scholarship recipients will be recruited on the Hartnell campus and at regional feeder high schools through outreach activities online, on campus, at regional high school campuses, and through the electronic and hard copy dissemination of detailed program information.

The STARSS fellowship program will adapt high quality, extant curriculum in delivering a Summer Intensive program, with ongoing follow-up, to ensure math proficiency and success. In addition, it will link and leverage existing resources providing all STARSS fellows access to: academic support; tutoring; priority registration; counseling; faculty and peer mentoring, educational planning; academic excellence workshops; internships; career development; and transfer support.

Intellectual Merit. This criterion will be met by contributing to the knowledge and understanding of effective methods to improve low income and underrepresented student achievement in STEM. The program will: adapt high quality, extant, evidence-based practices and strategies focused on common cohort experiences to create a small learning community; and implement an evaluation study using data analytics resulting in qualitative and quantitative data on, and assessment of, program effectiveness.

Broader Impacts. This S-STEM project will create a replicable model to enable Latino and low income students to access high demand, high skill, high wage STEM job opportunities through financial support and high quality, engaged learning. According to current data, while the Latino/a population represents 17 percent of the U.S. population, they are *overrepresented* in low skill jobs and *underrepresented* in high skill jobs, like STEM. This project can help change this inequitable dynamic while also helping to meet the nation's need for a high skill STEM workforce.