



CSUB professor awarded \$4.8 Million grant

- *To develop “citizen scientist residency pathway”*
- *“To address real community issues, enact real community change”*

Brittney Beck, a professor with California State University, Bakersfield’s Department of Teacher Education, has been awarded a five-year, \$4,871,033 Teacher Quality Partnership grant from the U.S. Department of Education to develop a “citizen scientist residency pathway.”

“We’re preparing K-12 teachers and students to apply their budding competencies in STEM-C fields to address real

community issues, enact real community change, and cultivate the scientific literacy needed for full participation in democratic citizenship,” Ms. Beck says.

STEM-C represents Science, Technology, Engineering and Math, with an emphasis on Computer Science.

The project has three core goals:

- Develop a pathway to increase the capacity of elementary, middle, and high school teachers to design, facilitate, and assess high-quality, civic-focused STEM-C curricula and pedagogy in high-needs schools;
- Sustain a pipeline of credentialed teachers who are committed to teaching civics-focused STEM-C curricula and pedagogy in high-needs school districts by creating tailored recruitment, retention and induction processes; and,
- Co-create and co-implement curriculum, pedagogy, and sustainable multi-stakeholder partnership structures for professional development to support teacher leaders, site administrators, superintendents, and university faculty’s use of

research-based best practices for teacher education, recruitment, retention, and induction.

“Through efforts like this, Dr. Beck and the Department of Teacher Education model and extend excellence in the School of Social Science and Education,” says Dean of Social Sciences and Education Steve Bacon.