

SkyBayTech

Meeting the Bay Area's Electronics Technician Workforce Need



BACKGROUND

The SkyBayTech program meets local workforce needs by addressing the existing skill gaps of entry-level electronics technicians through engaging local industry to inform and shape new curriculum that will lead students through hands-on and project-based experiences to gain the knowledge, skills, and competencies needed on the job to help place students in job shadowing, internship, and entry-level technician opportunities in local technology companies.

FUNDER

National Science Foundation
Advanced Technological Program

TIMEFRAME

Sept 1, 2020 - Aug 31, 2023
(3 year grant)

AWARD AMOUNT

\$592,538
~\$197,512/year

PROJECT GOALS

01

Address the San Francisco bay area's critical need for more and better prepared electronics technicians through the development of a new engineering electronics technology program leading students through stackable certificates and an associate of science (AS) degree

02

Create and strengthen pathways from local bay area high schools into Skyline College and on to local industry and four-year university baccalaureate engineering technology programs.

YEAR 1 ACTIVITIES

- Develop curriculum and first-year certificates
- Assemble/strengthen business and leadership team (BILT) and convene for curriculum review
- Develop and strengthen pipeline from local high schools

KEY PARTNERS

- Stanford Linear Accelerator (SLAC)
- SA Photonics
- Growth Sector
- Jefferson High School
- Cal Poly Pomona

CONTACT INFO

Principle Investigator

Nicholas Langhoff

langhoffn@smccd.edu

Co-Principle Investigator

Jenny Le

lej@smccd.edu

Co-Principle Investigator

Brooks McCall

mccallt@smccd.edu



This project is supported by the National Science Foundation under Grant No. 2000971. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the National Science Foundation.