

# Hākilo

## Ecological Ahupuaʻa Monitoring

Hākilo is an innovative Kapiʻolani Community College initiative to develop culturally-integrated life science pathways for Native Hawaiian and other underrepresented students. The Hākilo initiative seeks to design, implement, and refine practices in native student science education that may be applied at other indigenous-serving colleges and universities.

Hākilo seeks to support students in educational pursuits grounded in *ʻāina* (land, place, that which sustains) and focused on *ahupuaʻa* functioning. In the short term, the goals of Hākilo are to (1) implement a learning continuum to advance Native Hawaiian and other students in science fields including biology, geology, ecology, microbiology, chemistry (2) build a community of practice connecting Native Hawaiian students, mentors, undergraduate researchers, advisors, faculty instructors and researchers, and community partners including professionals, elders, and community-based organizations.



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## Hākilo Features

**Summer Ecological Experiences (SEEs)** are six-week summer programs designed to provide students a strong foundation in math. Students explore Oʻahu ahupuaʻa using the lenses of Hawaiian culture and tools of modern science. Hākilo 1 is designed for graduating high school seniors and Hākilo 2 targets first and second-year KCC students.

**Service activities** engage students in both their communities and their own education through the concept of *ma ka hana, ka ʻike*, through working, one learns.

**Undergraduate research** enables students to use the tools of modern science and technology to explore their interests in Hawaiʻi's natural and cultural ecology.

**Peer mentoring** allows students to both learn math and science from peers and in turn practice leadership skills. Older students share their knowledge and insights with younger students in a community-oriented model of learning and teaching.

**Huakaʻi** (journeys, cultural experiences) give students opportunities to get to know their *ʻāina* and themselves better through immersing themselves in new environments and perspectives.

Through *hōʻike* (showcases, projects, presentations, publications) students demonstrate proficiency and mastery of their research and studies.



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