**Mission:**
Honolulu Community College strives to continuously improve its role in STEM education and training for our local community. Building upon the strengths of our faculty, staff, and current STEM programs, the college will be creating a comprehensive STEM plan that will position us as a leader of STEM in education and meeting current and future workforce needs. The college believes that STEM has the power to cut across disciplines and be a strong bridge between credit, non-credit and certificate of achievement programs creating technical career pathways.

**College Website:**
http://www.honolulu.hawaii.edu

**STEM Education Funding since FY2012:**
$2,382,293*

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**Campus Profile:**

- **Total Enrollment (Fall 2016)**
  - Total: 3,196
  - % Women: 35%
  - % Native Hawaiian: 26%

- **Degrees and Certificates Awarded (2015-16)**
  - Certificates: 305
  - Associates: 579
  - Other: 2

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**STEM Profile:**

- **Total STEM Enrollment (Fall 2016)**: 456
  - % Women: 22%
  - % Native Hawaiian: 18%

- **STEM Degrees and Certificates Awarded (2015-16)**
  - Certificates: 88
  - ASNS: 8
  - AS: 64
  - Other: 2

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* Calculated based on STEM education grants in ORS reports. Multi-campus grants are listed under PI’s institution
* Enrollment counts excludes students not home-based at this campus
Selected STEM Education Projects and Activities

NATURAL SCIENCES:
PROGRAM MISSION
The Associate of Science in Natural Sciences degree program will prepare students to transfer to baccalaureate STEM (Science, Technology, Engineering and Mathematics) programs with recognized and supported pathways.

PROGRAM DESCRIPTION
The Associate of Science in Natural Sciences (AS-NS) degree is designed for students planning to transfer to a science, technology, engineering or mathematics (STEM) baccalaureate degree program at a four-year institution in Hawaiʻi or on the U.S. mainland.

http://www.honolulu.hawaii.edu/ns

2016 Summer Engineering Academy:
The Summer Engineering Academy is designed to engage high school students interested in STEM careers. Students learned the basics of electrical engineering, mechanical engineering and computer programming, including electronics, prototyping and writing code. In addition, they were introduced to college study skills, learned about the college admissions and financial aid process, and gained advanced math and science skills. Throughout the summer experience, students met with project engineers during a field trip to the HART Waipahu Transit Center, and heard from organizations such as the Board of Water Supply, Bowers and Kubota, Community Planning and Engineering, Inc., and the University of Hawaiʻi at Mānoa School of Architecture.

http://www.honolulu.hawaii.edu/robotics

May the 4th Be With You:
May 4 is the unofficial Star Wars holiday which Honolulu Community College hosts two events to celebrate the fandom holiday in effort to raise STEM awareness in a fun way. The first event is student centered that includes presentations from graduates students and post doctorate candidates from the University of Hawaiʻi’s Institute for Astronomy on Star Wars themed topics. There is also an evening event is open to the community that includes more academic talks, light saber demonstrations, and a visit from the 501st legion of cosplayers.

Project Imua:
The multi-campus collaboration known as Project Imua (Hawaiian for “to move forward”) involves a joint faculty-student enterprise for designing, fabricating and testing payloads. Honolulu CC is designing the payload’s electronic circuitry for power and telemetry. Project Imua is funded by a two-year $500,000 grant awarded under the NASA Space Grant Competitive Opportunity for Partnerships with Community Colleges and Technical Schools.

Kūkalā‘ula Conference:
Kūkala‘ula is sponsored in part by the Islands of Opportunity Alliance – Louis Stokes Alliance for Minority Participants (IOA-LSAMP). Through the LSAMP-IOA program, Honolulu Community College students interested in careers in STEM earned scholarships for their participation in a one-week conference where they learned more about STEM career opportunities and how to build connections between science and culture.

To learn more about these STEM Education projects, please contact: Billie K. Takaki Lueder (bktakaki@hawaii.edu); (808) 845-9187