



# STEM

SCIENCE • TECHNOLOGY • ENGINEERING • MATHEMATICS



## STEM PATHWAYS

STEM offers students four content pathways in which to focus their learning as they pursue their Associate in Science in Natural Science (ASNS) degree. These pathways serve as a focal point for faculty and student interactions and provide students with field experiences, community service, and research opportunities.

- Biological Science
- Physical Science
- Engineering
- Information and Communication Technology (ICT)

## CERTIFICATES OF ACHIEVEMENT

In addition to the ASNS degree, STEM offers students three Certificate of Achievement (CA) degrees to add value to their ASNS degree.

- CA in Biotechnology
- CA in STEM Education
- CA in Sustainability

## CONTACT

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## ABOUT THE PROGRAM

The Kapi'olani Community College STEM Program's objective is to improve the quality of education in the fields of Science, Technology, Engineering, and Mathematics (STEM) to inspire students to pursue careers in the STEM disciplines. The program was started in August 2005 with a \$1.25 million Tribal Colleges and Universities Program (TCUP) grant from the National Science Foundation (NSF) for the development and implementation of the STEM program. The Associate in Science in Natural Science (ASNS) degree was established in 2011 to prepare students to transfer to four-year institutions. This 60-credit program provides clear, explicit pathways for students intending to transfer into STEM baccalaureate institutions. Several other NSF grants have been awarded to the STEM Program to fund faculty development, student scholarships, undergraduate research experiences, peer mentoring, and summer bridge programs.

## ABOUT THE STEM CENTER

The STEM Center, located on the second floor of the Koki'o building, provides a sense of place for our STEM students. Faculty office doors open inward in the center's common area, creating a unique collaborative space where students and faculty have easy access to one another. The desk modules were designed for collaborative learning and can easily be reconfigured to accommodate alternative learning environments. The Center offers peer-mentoring services, desktop computer support, and educational resources for all STEM students.

