SB-1249
Submitted on: 2/14/2023 10:52:54 AM
Testimony for HRE on 2/16/2023 3:16:00 PM

Submitted By	Organization	Testifier Position	Testify
Gary Albitz	Individual	Support	Written Testimony Only

Comments:

on July 19th 2022, Secretary of Commerce Gina Raimondo tweeted; "Right now, we have **hundreds of thousands** of critical cybersecurity jobs open, and Registered Apprenticeships are key to training new workers and connecting them to these opportunities."

Cybersecurity jobs are in high demand and the demand is expected to grow by 18% over the next five years. Starting salaries for entry level jobs range from $90,000 to $125,000 and higher level senior positions can range from $160,000 to $250,000. Most of which are remote jobs but professionals in Maui and Hawaii don't have access to these careers because of lack of training, skills and certifications in this field.

This capability, Lab, and certified instructors at UHMC are one of the few ways that will enable Maui Residents, Native Hawaiians, and minorities like Women, Veterans and Disabled to begin to qualify for these positions and careers. Other modes of training in the Cyber Securty area are mainland based and very expensive, starting at $3,000 per course/certifications and multiple certifications are necessary.

Cyber Security jobs are 24x7 thus opening the opportunity for residents of Maui and Hawaii to manage life situations such as children and Kapuna health needs while still being able to earn good salaries with benefits.

Mahalo

Gary

JOSH GREEN, M.D.
GOVERNOR

DOUGLAS MURDOCK
CHIEF INFORMATION
OFFICER

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Written Testimony of
DOUGLAS MURDOCK
Chief Information Officer
Enterprise Technology Services

Before the
SENATE COMMITTEES ON HIGHER EDUCATION AND LABOR AND TECHNOLOGY
THURSDAY, FEBRUARY 16, 2023

SENATE BILL 1249
RELATING TO CYBERSECURITY

Dear Chairs Kim and Moriwaki, and Vice Chairs Kidani and Lee, and members of the committees:

The Office of Enterprise Technology Services (ETS) **supports** this bill to appropriate funds for cybersecurity and data science programs at the University of Hawai'i Maui College.

Workforce development in the cybersecurity industry will provide our young people with opportunities for high-paying jobs and help diversify our economy.

Thank you for the opportunity to provide testimony on this measure.

SB-1249
Submitted on: 2/14/2023 3:16:41 PM
Testimony for HRE on 2/16/2023 3:16:00 PM

Submitted By	Organization	Testifier Position	Testify
Feng Muschietti	Individual	Support	Written Testimony Only

Comments:

Aloha,

I am an ABIT major student at UHMC. I believe the ABIT program of UHMC helps more students gain skills and knowledge in business and information areas which are good to fill full our society's needs. I remember I took one class online and do a simulation lab about network cybersecurity. And it is harder than if you do the lab in the real lab. If UHMC will have more chances to improve in this area, our students will gain a lot, and it is very meaningful. I strongly support this legislation.

Mahalo.

February 14, 2023

Senate Committee on HRE/LBT

SENATE BILL 1249 – RELATING TO CYBERSECURITY

Position: Support

Dear Honorable Senators,

My name is Elton Nakagawa, and I am currently a student in my final semester at the University of Hawai'i Maui College. It has been quite an experience having taken my degree fully online for the past 3 years and I believe that the University will benefit greatly from having a cybersecurity and data science lab that can be accessible by all UHMC students.

While in the Applied Business IT program at UHMC, the teaching staff and lessons learned were excellent however it's sometimes difficult for some people to fully understand the virtualized environment provided by cloud providers. With a physical learning lab all the steps in setting up virtual environments to conduct tests and do exercises will be on-site and available for anyone who wishes to learn.

The threat of cybercrimes to the U.S. is increasing every year and we need experienced and capable workers that understand how to setup and configure security devices on the network and be able to understand how to defend networks against cyberattacks. We also need our workers to understand how to develop secure databases and to implement best practices on storing information in cloud databases so that the information of our networks are secured.

By allowing UHMC to have their own cybersecurity and data science lab, students both at campus and online will benefit from this lab. They will be able to create lab environments to prepare themselves for professional certifications, and also be able to better promote cybersecurity awareness to the campus.

Mahalo for the opportunity to testify.

Elton Nakagawa

UHMC Student

ABIT Program

SB-1249
Submitted on: 2/15/2023 7:52:44 AM
Testimony for HRE on 2/16/2023 3:16:00 PM

Submitted By	Organization	Testifier Position	Testify
Chris McCusker	Individual	Support	Written Testimony Only

Comments:

Based on my experience on the ABIT Advisory Board at UH Maui College, I believe strongly that the ABIT program can contribute significantly to educational opportunities and the pipeline approach to job placement. Students gain both academic and practical experiences that contribute to their development.

February 14, 2023

Senate Committee on HRE/LBT

SENATE BILL 1249 – RELATING TO CYBERSECURITY

Position: Support

Dear Senators,

My name is Jeffrey Wayer, and I am a United States Airforce Veteran and currently a student in my final semester at the University of Hawai'i Maui College as an Applied Business and Information Technology major. The past 4 years have been interesting, to say the least, going from in person classes to mostly doing online coursework. I believe the University of Hawaii Maui can benefit tremendously from having a cybersecurity and data science lab that UHMC students can learn and physically go to.

During my time in the ABIT program at UHMC, the lessons and course material about data science and cybersecurity topics have been outstanding. However, while learning about those topics online can work and be convenient, it still cannot replace the benefits of having an in-person lab. Setting up and conducting tests and getting hands-on experience with an instructor will give a more real-world experience of what students will encounter in the data science and cybersecurity industries today.

Having their own cybersecurity and data science lab will benefit UHMC students in the long term and not only bring more interest to the field but will also facilitate more in-state talent to stay here in Hawaii and develop. Maui needs more skilled workers in the realm of IT and this lab will be a cornerstone for fostering that talent.

Mahalo and thank you for your time

Jeffrey K Wayer

UHMC Student

ABIT Program

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Testimony Presented Before the
Senate Committee on Higher Education
Senate Committee on Labor & Technology
Thursday, February 16, 2023 at 3:16 p.m.
By
Della Teraoka
Interim Associate Vice President for Academic Affairs, Community Colleges
University of Hawaiʻi

SB 1249 – RELATING TO CYBERSECURITY

Chairs Kim and Moriwaki, Vice Chairs Kidani and Lee, and Members of the Committees:

The University of Hawaiʻi is in support of SB 1249, which invests in Cybersecurity and Data Science programs at the Center for Cybersecurity at UH Maui College.

The Center for Cybersecurity will expand the offering of coursework that leads to industry-recognized credentials in these fields and be a place to innovate on how this coursework is delivered. This bill will also support the development of Cybersecurity and Data Science labs that will provide a place for students to intern and complete online coursework.

There is a need for Cybersecurity employees in the state of Hawaiʻi. A quick search on the internet via ZipRecruiter showed there are currently 272 Cybersecurity job openings in Hawaiʻi.

The University of Hawaiʻi supports the intent of SB 1249, as long as its passage does not replace or adversely impact priorities as indicated in our Board of Regents Approved Budget.

Thank you for the opportunity to provide testimony in support of SB 1249.