
HOUSE RESOLUTION

REQUESTING THE DEPARTMENT OF EDUCATION AND UNIVERSITY OF HAWAII TO ASSESS THE CRITERIA REQUIRED TO ESTABLISH AN EDUCATIONAL PIPELINE AND CURRICULUM TO ENSURE THAT STUDENTS ACQUIRE THE NECESSARY SKILLS IN ADVANCED MANUFACTURING AND CYBERSECURITY.

1 WHEREAS, advanced manufacturing refers to the incorporation
2 of various innovative technologies, such as artificial
3 intelligence, 3D printing, and robotics, in the manufacturing
4 process; and

5
6 WHEREAS, increasing local manufacturing production reduces
7 shipping and imports costs and enhances delivery times; and

8
9 WHEREAS, by using cutting-edge technologies like artificial
10 intelligence, Internet of Things, and robotics, advanced
11 manufacturing can streamline processes and increase productivity
12 as well as improve quality, reduce costs, and increase
13 flexibility; and

14
15 WHEREAS, cybersecurity is the art of protecting networks,
16 devices, and data from unauthorized access or criminal use and
17 the practice of ensuring confidentiality, integrity, and
18 availability of information; and

19
20 WHEREAS, with a large military presence in Hawaii, there
21 are opportunities to work with the United States government on
22 cybersecurity by adopting advanced technologies and tackling
23 challenges to ensure a better, safer world; and

24
25 WHEREAS, the Honolulu Community College's Cybersecurity
26 Center was created to showcase the different cybersecurity
27 programs and resources available to students and faculty and
28 offers the Associate of Sciences program in Computing Security &
29 Networking Technology; and

30



1 WHEREAS, the Leeward Community College is officially
2 designated as a National Center of Academic Excellence in Cyber
3 Defense, recognizing collegiate institutions which have met
4 standards of excellence in cyber defense education, and is an
5 award established by the National Security Agency and the
6 Department of Homeland Security; and
7

8 WHEREAS, the Leeward Community College's Information and
9 Computer Science program has an articulation agreement with the
10 University of Hawaii at West Oahu and University of Hawaii Maui
11 College's Applied Business and Information Technology Program
12 that students who achieve their Associate of Science in
13 Information and Computer Science can transfer and complete the
14 Bachelor of Applied Science in Information Technology and
15 Information Security Assurance; and
16

17 WHEREAS, the University of Hawaii at Manoa's School of
18 Engineering offers Bachelor, Masters, and Doctoral degrees in a
19 wide variety of disciplines such as civil engineering, computer
20 engineering, electrical engineering, and mechanical engineering;
21 and
22

23 WHEREAS, if the local workforce has not received the skills
24 necessary to hold positions in high technology industries,
25 companies will have no choice but to solicit workers from out-
26 of-state; and
27

28 WHEREAS, the Department of Education and University of
29 Hawaii have the responsibility to ensure that students are
30 prepared to successfully enter the workforce upon graduation;
31 now, therefore,
32

33 BE IT RESOLVED by the House of Representatives of the
34 Thirty-third Legislature of the State of Hawaii, Regular Session
35 of 2025, that the Department of Education and University of
36 Hawaii are requested to assess the criteria required to
37 establish an educational pipeline and curriculum to ensure that
38 students acquire the necessary skills in advanced manufacturing
39 and cybersecurity to prepare them to successfully enter the
40 workforce upon graduation and secure jobs in high technology
41 industries; and
42



H.R. NO. 67

1 BE IT FURTHER RESOLVED that the Department of Education and
2 University of Hawaii are each requested to submit a report of
3 its findings and recommendations, including any proposed
4 legislation, to the Legislature no later than twenty days prior
5 to the convening of the Regular Session of 2026; and

6

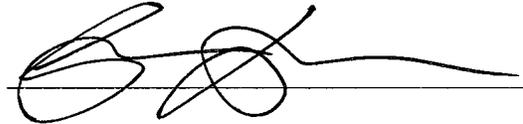
7 BE IT FURTHER RESOLVED that certified copies of this
8 Resolution be transmitted to the Chairperson of the Board of
9 Education, Superintendent of Education, Chairperson of the Board
10 of Regents of the University of Hawaii, and President of the
11 University of Hawaii.

12

13

14

OFFERED BY:

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke, positioned above a horizontal line.

MAR 06 2025

