
HOUSE CONCURRENT 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

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

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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

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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

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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

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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



1 offers the Associate of Sciences program in Computing Security &
2 Networking Technology; and

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

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

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

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

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

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36 BE IT RESOLVED by the House of Representatives of the
37 Thirty-third Legislature of the State of Hawaii, Regular Session
38 of 2025, the Senate concurring, that the Department of Education
39 and University of Hawaii are requested to assess the criteria
40 required to establish an educational pipeline and curriculum to
41 ensure that students acquire the necessary skills in advanced
42 manufacturing and cybersecurity to prepare them to successfully



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1 enter the workforce upon graduation and secure jobs in high
2 technology industries; and

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

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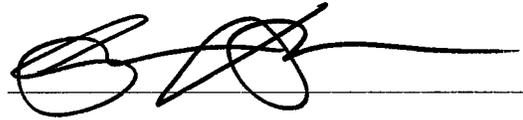
10 BE IT FURTHER RESOLVED that certified copies of this
11 Concurrent Resolution be transmitted to the Chairperson of the
12 Board of Education, Superintendent of Education, Chairperson of
13 the Board of Regents of the University of Hawaii, and President
14 of the University of Hawaii.

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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

