

MAR 18 2009

S.R. NO. 105

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## SENATE RESOLUTION

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REQUESTING THE UNIVERSITY OF HAWAII SYSTEM, IN CONSULTATION WITH  
THE COUNCIL OF CHIEF ACADEMIC OFFICERS, TO DEVELOP A  
COMPREHENSIVE APPROACH TO THE TEACHING OF ENGINEERING AT  
UNIVERSITY CAMPUSES STATEWIDE.

1 WHEREAS, the State's economic development goal of  
2 encouraging an innovation-based economy relies on workforce  
3 proficiencies in science, technology, engineering, and  
4 mathematics and requires that students have broad opportunities  
5 to learn the advanced skills necessary to succeed in a more  
6 complex society; and  
7

8 WHEREAS, currently the University of Hawaii System offers a  
9 number of engineering programs statewide, ranging from applied  
10 technical education programs at the Community Colleges to  
11 Bachelor, Master, and Doctoral Degree programs at the University  
12 level; and  
13

14 WHEREAS, further development of engineering programs is a  
15 matter of statewide concern and would provide wide-ranging  
16 academic and economic opportunities for the State; and  
17

18 WHEREAS, additional engineering programs would address  
19 state needs for a skilled workforce with both experience and  
20 training in high priority areas for science and technology  
21 economic development in the State; and  
22

23 WHEREAS, additional engineering curriculum offerings would  
24 allow the University of Hawaii System to excel in applied and  
25 basic science, technology, engineering, and mathematics research  
26 fields that provide the hands-on experiences essential for its  
27 graduates to be competitive in the global discovery and  
28 innovation enterprise; now, therefore,  
29

30 BE IT RESOLVED by the Senate of the Twenty-fifth  
31 Legislature of the State of Hawaii, Regular Session of 2009,  
32 that the University of Hawaii System, in consultation with the  
33 Council of Chief Academic Officers, is requested to develop a



1 comprehensive approach to the teaching of engineering at  
2 University campuses statewide; and

3  
4 BE IT FURTHER RESOLVED that in developing a comprehensive  
5 approach to the teaching of engineering statewide, the  
6 University of Hawaii System and the Council of Chief Academic  
7 Officers are requested to include, but not be limited to the  
8 following considerations:

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- 10 (1) An assessment of engineering academic and workforce  
11 needs in the State;
  - 12  
13 (2) The cost of program implementation on a statewide,  
14 campus-by-campus basis, including the current  
15 budgetary environment, initial implementation, and a  
16 review of continuing operational costs;
  - 17  
18 (3) Potential articulation and transfer among campuses;
  - 19  
20 (4) Academic considerations, such as accreditation and  
21 faculty availability, and how the effort fits with  
22 existing or planned programs at other campuses;
  - 23  
24 (5) An evaluation of the current proposals to establish an  
25 applied engineering program at the University of  
26 Hawaii at Hilo and an engineering technology program  
27 at Maui Community College; and
  - 28  
29 (6) A proposed implementation schedule; and
- 30

31 BE IT FURTHER RESOLVED that the University of Hawaii System  
32 is request to submit its findings and recommendations, including  
33 any budgetary requests and proposed legislation, to the  
34 Legislature no later than twenty days prior to the convening of  
35 the Regular Session of 2010; and

36  
37 BE IT FURTHER RESOLVED that certified copies of this  
38 Resolution be transmitted to the President of the University of  
39 Hawaii System, Council of Chief Academic Officers, and  
40 Chairperson of the Board of Regents.

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43 OFFERED BY:

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Bunee. Koh

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