

AMENDED IN ASSEMBLY FEBRUARY 20, 2007

CALIFORNIA LEGISLATURE—2007—08 REGULAR SESSION

**ASSEMBLY BILL**

**No. 145**

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**Introduced by Assembly Member Coto**

January 17, 2007

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~~An act to add and repeal Article 3 (commencing with Section 52970) of Chapter 13 of Part 28 of Division 4 of Title 2 of the Education Code, relating to pupil instruction, and making an appropriation therefor.~~ *An act to add Article 3 (commencing with Section 89060) to Chapter 1 of Part 55 of Division 8 of Title 3 of the Education Code, relating to postsecondary education, and making an appropriation therefor.*

LEGISLATIVE COUNSEL'S DIGEST

AB 145, as amended, Coto. ~~California Center for Applied Research to Improve Latino Participation in Science, Technology, Engineering, and Mathematics Degree Programs and Professions San Jose State University-National Hispanic University Collaboration.~~

*Existing law establishes the various segments of the public higher education system in the state. These segments include the University of California, which is administered by the Regents of the University of California, the California State University, which is administered by the Trustees of the California State University, and the California Community Colleges, which is administered by the Board of Governors of the California Community Colleges.*

*This bill would require the Trustees of the California State University to authorize San Jose State University and the National Hispanic University to enter into a collaboration agreement that would include outreach, transfer, joint classes for credit, and other programs of education, research, and public service as the trustees and the National*

*Hispanic University deem to be in the public interest, and requires this collaboration to include a five-year pilot program to improve participation in higher education meeting specified requirements.*

*The bill would appropriate \$10,000,000 annually beginning with the 2007–08 fiscal year from the General Fund to the Office of the Chancellor of the California State University to carry out these provisions.*

Existing law establishes the California Science Project, administered by the University of California jointly with the Trustees of the California State University in cooperation with the State Department of Education. Project evaluation criteria includes the contribution to ongoing teacher retraining and in-service programs and changes in the pupils' knowledge of science due to their teacher's participation in the science project.

Existing law requires the Superintendent of Public Instruction to designate nonprofit agencies to serve as regional science resource centers with the intent of increasing educational and training opportunities for the teachers and pupils.

This bill would establish the California Center for Applied Research to Improve Latino Participation in Science, Technology, Engineering, and Mathematics Degree Programs and Professions as a 3-year pilot project to be implemented by the National Hispanic University and San Jose State University as a public-private partnership with the purpose of increasing the number of Latino pupils in San Mateo, Santa Clara, Alameda, San Benito, and Santa Cruz Counties who complete the requirements for admission to California public institutions of higher education, and increasing the number of Latino students who enroll in science, technology, engineering, and mathematics related majors and complete a degree program in those majors. The bill would require the center to submit a report to the Legislature by August 15 of each year of the pilot project on progress made towards meeting the specified project outcomes.

The bill would appropriate \$2,000,000 from the General Fund to the Superintendent of Public Instruction for allocation to the California Center for Applied Research to Improve Latino Participation in Science, Technology, Engineering and Mathematics Degree Programs and Professions for purposes of the pilot project and state the intent of the Legislature to appropriate a similar amount for each of the 2 remaining years of the pilot project.

Vote:  $\frac{2}{3}$ -majority. Appropriation: yes. Fiscal committee: yes. State-mandated local program: no.

*The people of the State of California do enact as follows:*

1     *SECTION 1. The Legislature finds and declares all of the*  
2 *following:*

3     *(a) Programs of outreach to assist deserving students in their*  
4 *efforts to enter college and complete a baccalaureate degree should*  
5 *be encouraged.*

6     *(b) The Office of the Chancellor of the California State*  
7 *University has displayed great commitment in outreach by*  
8 *collaborating with, and visiting local community-based*  
9 *organizations, churches, and other local communities.*

10    *(c) Most students in the California State University are transfer*  
11 *students from the community college system and some private*  
12 *institutions.*

13    *(d) The National Hispanic University in San Jose, California*  
14 *provides a valuable service to the people of the state by operating*  
15 *programs for the education of students by providing education*  
16 *and training and by organizing activities relating to education*  
17 *services delivery and research, all of which serve to enhance the*  
18 *education and access to education services for residents of Santa*  
19 *Clara County and the entire state.*

20    *(e) San Jose State University and the National Hispanic*  
21 *University desire to collaborate to establish joint programs and*  
22 *a transfer program.*

23    *(f) There is precedent for private-public collaboration, such as*  
24 *the relationship between the University of California and the*  
25 *Charles R. Drew University of Medicine and Science.*

26    *(g) A collaboration between San Jose State University and the*  
27 *National Hispanic University is necessary in order for the National*  
28 *Hispanic University program to continue to carry out and to*  
29 *expand its beneficial activities, and that this support would be best*  
30 *carried out in conjunction with the Office of the Chancellor of the*  
31 *California State University.*

32    *SEC. 2. Article 3 (commencing with Section 89060) is added*  
33 *to Chapter 1 of Part 55 of Division 8 of Title 2 of the Education*  
34 *Code, to read:*

Article 3. *San Jose State University-National Hispanic University Collaboration*

89060. *The trustees shall authorize San Jose State University and the National Hispanic University to enter into a collaboration agreement to include outreach, transfer, joint classes for credit, and other programs of education, research, and public service as the trustees and the National Hispanic University deem to be in the public interest.*

89061. (a) *The collaboration authorized by Section 89060 shall include a five-year pilot program focused on pupils in grades 7 to 12, inclusive, and undergraduate college students to improve participation in higher education. The pilot program shall be an ongoing source of research-based policy regarding the best practices for educating pupils and students.*

(b) *The pilot program shall do all of the following:*

(1) *Increase, in San Mateo, Santa Clara, Alameda, San Benito, and Santa Cruz Counties.*

(2) *Increase the number of students that enroll in science, technology, engineering, math, or liberal studies related majors and complete a baccalaureate degree.*

(3) *Apply in classroom settings existing best practices found in educational research regarding student success in meeting rigorous academic standards, carry out original research to increase the knowledge about what constitutes best educational practices, inform school districts about policies and strategies that promote the success of students, inform the teacher preparation programs at the National Hispanic University and the San Jose State University of its research, and serve as a resource that could be called on by agencies of the state to perform research aimed at facilitating creation of sound and effective public policies with respect to the education of California students.*

(c) *This section shall remain in effect only until December 31, 2012, and as of that date is repealed, unless a later enacted statute, that is enacted before December 31, 2012, deletes or extends that date.*

89062. *San Jose State University and the National Hispanic University shall make maximum feasible use of nonstate and nonuniversity funds in carrying out the purposes of this article.*

1     *SEC. 3. The sum of ten million dollars (\$10,000,000) is hereby*  
2 *appropriated from the General Fund to the Office of the Chancellor*  
3 *of the California State University in each of the 2007–08, 2008–09,*  
4 *2009–10, 2010–11, and 2011–12 fiscal years to carry out the*  
5 *requirements of Article 3 (commencing with Section 89060) of*  
6 *Chapter 1 of Part 55 of the Education Code.*

7     ~~SECTION 1. Article 3 (commencing with Section 52970) is~~  
8 ~~added to Chapter 13 of Part 28 of Division 4 of Title 2 of the~~  
9 ~~Education Code, to read:~~

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11     ~~Article 3. California Center for Applied Research to Improve~~  
12 ~~Latino Participation in Science, Technology, Engineering, and~~  
13 ~~Mathematics Degree Programs and Professions~~

14  
15     ~~52970. (a) There is hereby established the California Center~~  
16 ~~for Applied Research to Improve Latino Participation in Science,~~  
17 ~~Technology, Engineering, and Mathematics Degree Programs and~~  
18 ~~Professions as a three-year pilot project to be implemented by the~~  
19 ~~National Hispanic University and San Jose State University as a~~  
20 ~~public-private partnership.~~

21     ~~(b) The mission of this pilot project is to increase the number~~  
22 ~~of Latino pupils in San Mateo, Santa Clara, Alameda, San Benito,~~  
23 ~~and Santa Cruz Counties who complete the requirements for~~  
24 ~~admission to California public institutions of higher education,~~  
25 ~~and to increase the number of Latino students enrolled in science,~~  
26 ~~technology, engineering, and mathematics related majors and~~  
27 ~~complete a degree program in those majors.~~

28     ~~52971. The National Hispanic University and San Jose State~~  
29 ~~University jointly shall pursue public and private technology and~~  
30 ~~industry partnerships around science, technology, engineering,~~  
31 ~~and mathematics issues. Partners will be asked for monetary~~  
32 ~~assistance, human resources assistance, materiel assistance, role~~  
33 ~~model assistance, and real world experiences assistance.~~

34     ~~52972. (a) The National Hispanic University and San Jose~~  
35 ~~State University shall recruit schools offering instruction at grades~~  
36 ~~7 to 12, inclusive, within San Mateo, Santa Clara, Alameda, San~~  
37 ~~Benito, and Santa Cruz Counties and offer those schools the~~  
38 ~~opportunity to participate in the project with the staffs of the project~~  
39 ~~staff and teacher preparation programs at their universities and to~~  
40 ~~include the identified best practices in their school and district~~

1 professional development programs and incorporate those practices  
2 in their classrooms.

3 ~~(b) Participating schools shall increase the number of Latinos~~  
4 ~~teaching science, technology, engineering, and mathematics courses~~  
5 ~~and the number of Latino pupils who complete the requirements~~  
6 ~~for admission to California public institutions of higher education.~~

7 ~~52973. (a) The center shall do all of the following:~~

8 ~~(1) Apply and confirm in classroom settings existing best~~  
9 ~~practices — educational research regarding Latino and~~  
10 ~~underrepresented pupil success in meeting rigorous standards.~~

11 ~~(2) Carry out original research to increase the knowledge base~~  
12 ~~of best educational practices.~~

13 ~~(3) Inform the practices of training mathematics and science~~  
14 ~~teachers regarding teaching and learning effectiveness for target~~  
15 ~~pupils.~~

16 ~~(4) Inform school districts about policies and strategies that~~  
17 ~~promote the success of target pupils.~~

18 ~~(5) Inform the teacher preparation programs at both the National~~  
19 ~~Hispanic University and San Jose State University.~~

20 ~~(6) Serve as a facility that could be called on by agencies of the~~  
21 ~~state government to perform research aimed at facilitating creation~~  
22 ~~of sound and effective public policies with respect to the education~~  
23 ~~of California pupils.~~

24 ~~(b) For purposes of this article, “target pupil” means a Latino~~  
25 ~~pupil in any of grades 7 to 12, inclusive, who is enrolled in a~~  
26 ~~participating school or a student enrolled in a participating~~  
27 ~~community college.~~

28 ~~52974. (a) As part of the pilot project, the National Hispanic~~  
29 ~~University and San Jose State University shall consider significant~~  
30 ~~changes to their teacher preparation programs based on a~~  
31 ~~reevaluation of best practices and refocus their teacher~~  
32 ~~preparation programs to include substantiated best practices of~~  
33 ~~teaching and learning, which may include, but are not limited to,~~  
34 ~~the following:~~

35 ~~(1) Direct instruction.~~

36 ~~(2) Addressing multiple intelligences and learning styles.~~

37 ~~(3) Differentiated instruction.~~

38 ~~(4) Preassessment strategies.~~

39 ~~(5) Authentic learning and authentic assessment.~~

40 ~~(6) Project-based learning.~~

- 1 ~~(7) Interdisciplinary learning.~~
- 2 ~~(8) Grouping strategies.~~
- 3 ~~(9) Practice theory.~~
- 4 ~~(10) Identifying role models.~~
- 5 ~~(11) Personal connections with pupils.~~
- 6 ~~(12) High expectations.~~

7 ~~(b) The two universities shall identify undergraduate Latino~~  
8 ~~students in science, technology, engineering, and mathematics~~  
9 ~~majors and recruit them as teacher candidates in science,~~  
10 ~~technology, engineering, and mathematics fields.~~

11 ~~52975. Participating schools shall request an increase in the~~  
12 ~~number of community colleges, including those in the San~~  
13 ~~Jose-Evergreen Community College District, and other colleges~~  
14 ~~offering concurrent college level science, technology, engineering,~~  
15 ~~and mathematics courses on their campuses and recruit target~~  
16 ~~pupils to enroll in these classes.~~

17 ~~52976. By August 15 of each year of the pilot project, the~~  
18 ~~center shall submit a report to the Legislature on the progress~~  
19 ~~towards meeting the following outcomes:~~

20 ~~(a) Increasing the number of target pupils who demonstrate~~  
21 ~~proficiency in algebra, algebra 2, and geometry, as measured by~~  
22 ~~the achievement test administered pursuant to Section 60640.~~

23 ~~(b) Increasing the number of target pupils successfully~~  
24 ~~completing the requirements for admission to California public~~  
25 ~~institutions of higher education.~~

26 ~~(c) Increasing the number of target pupils enrolling in advance~~  
27 ~~placement courses, international baccalaureate programs, and~~  
28 ~~concurrent college classes.~~

29 ~~(d) Decreasing the number of target pupils who drop out of high~~  
30 ~~school.~~

31 ~~(e) Increasing the number of target pupils who transfer to a~~  
32 ~~science, technology, engineering, or mathematics degree program~~  
33 ~~at a public or private university.~~

34 ~~(f) Increasing the number of target pupils who perform~~  
35 ~~proficiently in college science, technology, engineering, and~~  
36 ~~mathematics classes.~~

37 ~~52977. This article shall remain in effect only until January 1,~~  
38 ~~2011, and as of that date is repealed, unless a later enacted statute,~~  
39 ~~that is enacted before January 1, 2011, deletes or extends that date.~~

1     SEC. 2.—The sum of two million dollars (\$2,000,000) is hereby  
2 appropriated from the General Fund to the Superintendent of Public  
3 Instruction for allocation to the California Center for Applied  
4 Research to Improve Latino Participation in Science, Technology,  
5 Engineering, and Mathematics Degree Programs and Professions  
6 for purposes of the pilot project established pursuant to Article 3  
7 (commencing with Section 52970) of Chapter 13 of Part 28 of the  
8 Education Code. It is the intent of the Legislature to appropriate  
9 a similar amount for each of the two remaining years of the pilot  
10 project.

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