



The Computing Alliance of Hispanic-Serving Institutions (CAHSI) is a consortium of universities that are committed to increasing the number of Hispanics who earn baccalaureate and advanced degrees in computing. By fostering a community that shares resources, establishes research and curricular collaborations, and disseminates best practices, CAHSI is developing future Hispanic leaders.

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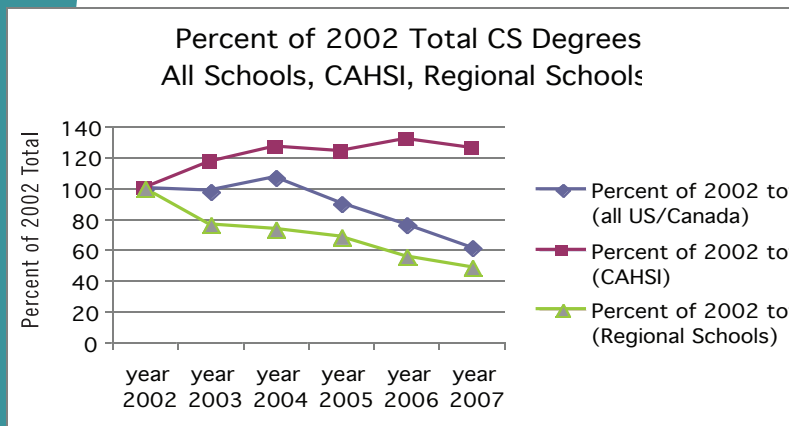
CAHSI GOALS:

- Increase the number of Hispanic students who enter computing workforce with advanced degrees
- Support the retention and advancement of Hispanics in computing areas
- Develop and sustain competitive education and research programs at HSIs

CAHSI STRATEGIES:

- Promote dialog
- Promote interventions
- Promote social science research

HOW CAHSI HAS EXCELLED:



The 2001-2002 school year marked the peak of Bachelor degree production in the US and Canada according to Taulbee data. The table shows that while the US and Canada are producing fewer and fewer CS graduates at the Bachelor's degree level each year, CAHSI schools are experiencing steady growth.

COLLABORATORS

Beckman Coulter Corp.
Coalition to Diversify Computing (CDC)
Computing Research Association (CRA-W)
GEM Consortium*
Google
Hispanic Scholarship Fund*
IBM Academic Initiative*
Latinas in Computing (LiC)*
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Texas Prefreshman Engineering Program
(TexPREP)
Visual Analytics for Command, Control, and
Interoperability Environments (VACCINE)

**Distinguished Contributors*

CAHSI INTERVENTIONS

CAHSI is implementing and evaluating a series of initiatives to support the success of students and faculty. The initiatives listed below were designed to address key causes of underrepresentation of Hispanics in computing:

- An introductory computing course designed to attract majors and bolster under-prepared students
- Peer-facilitation in the gatekeeper courses to provide an active learning experience and create leadership roles for undergraduates
- Undergraduate professional development and research experiences inside and outside the classroom
- Mentoring and preparation of students for success in graduate studies and a career in the professoriate
- Professional development to support the advancement of students and faculty
- Dissemination of materials and information that supports recruitment, retention, and advancement of Hispanics in computing

CAHSI BY THE NUMBERS:

9,270 In the 2008-2009 academic year, CAHSI funded Peer-led team learning (PLTL) in 16 computer science and engineering courses, providing 15 hours of instruction to all 618 students equal to 9,270 hours of supplemental computer science and engineering activity. Sixty three percent of the students were Hispanic.

233 CAHSI introduced 233 students to computing concepts through their introductory Computer Science–Zero (CS-0) courses in 2008-2009, nearly half were Hispanic.

28,100 In 2008, CAHSI supported student research for 34 academic year positions and 32 summer positions. At 15 hours per week for 30 weeks for academic positions and 40 hours per week for 10 weeks for summer positions, total number of CAHSI research hours for 2008 totaled 28,100. In addition, CAHSI supported 32 students in a research-based course at UPRM.

89 Over the course of 3 CAHSI annual meetings, 89 student research posters were presented by CAHSI undergraduate and graduate student scholars. Posters covered much technical ground, including Cyberinfrastructure, network security, and robotics.

