

Successful Structured Interventions AIMS² Program at CSU Northridge

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03/17/14

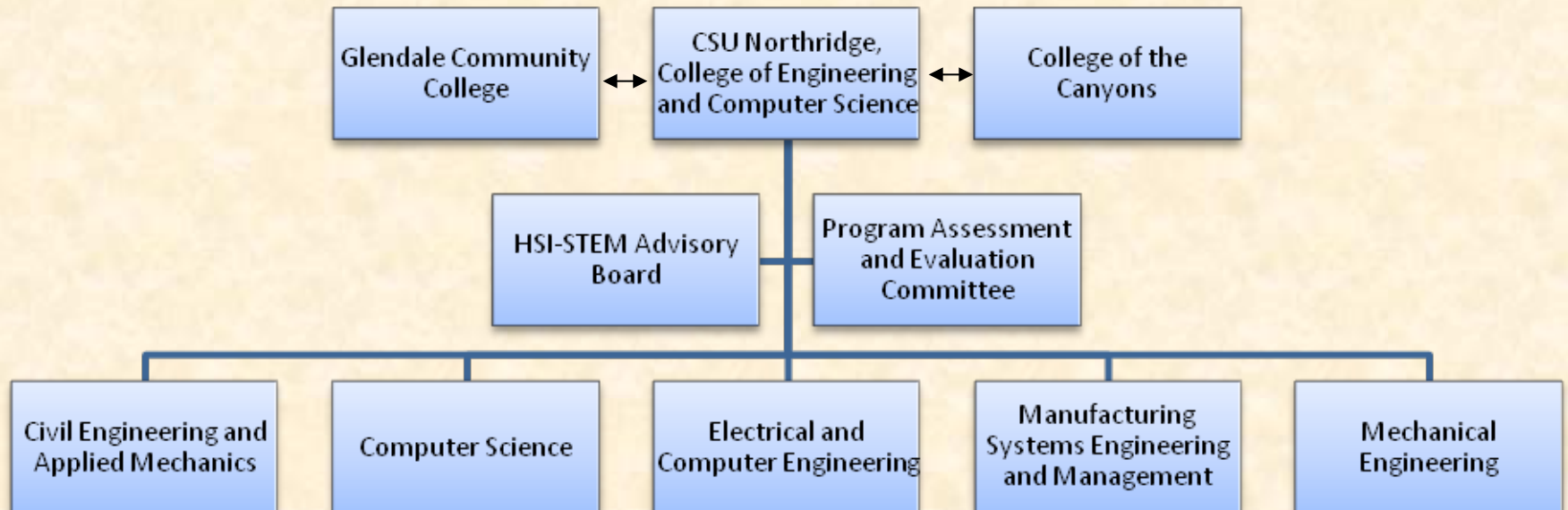
AHSIE 2014 - Ramesh

•AIMS² Cohort: Photo Courtesy Armando



AIMS²

Attract, Inspire, Mentor and Support Students





The AIMS² Project Team

Attract, Inspire, Mentor, and Support Students



**Faculty and Staff from the College of the Canyons, Glendale CC,
& the College of Engineering and Computer Science, CSUN**



Students Served

3 Cohorts for a total of 180 students

90 Students from CC, 90 First Time Transfer Students at CSUN

Year	GCC	COC	CSUN	Total
Year 1	15	15	30	60
Year 2	30	30	60	120
Year 3	30	30	90	150
Year 4	15	15	90	120
Year 5			60	60
Total	90	90	330	510



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Goals and Objectives

- To increase the number of Hispanic and low-income students who successfully transfer from Glendale Community College (GCC), and College of the Canyons (COC) to California State University, Northridge, to pursue majors in Engineering and/or Computer Science.
- To increase the number of Hispanic and low-income students who join CSUN as upper division transfer students and graduate with degrees from one of the undergraduate programs in the College of Engineering and Computer Science.
- To develop a model, seamless and sustainable transfer program to assist Hispanic and low-income students to successfully transfer from GCC and COC to California State University, Northridge where they will complete their studies in Engineering and/or Computer Science.



Project Activities

- Tutoring to improve student performance in preparatory Math and Science courses.
- Advising and tracking of students in cohort
- Work closely with faculty and staff in feeder community colleges to develop seamless articulation agreements, especially for students transferring from 2 year colleges to CSUN.
- Create a mobile digital environment with Tablet PCs , iPad's, and appropriate software, so that the project team can work with the cohorts to enhance communication, engagement, collaboration and creativity, and instant learning assessment.
- Expand Facilitated Academic Workshops (FAW) in required introductory courses and key upper division courses offered by the college's programs
- Faculty/Peer mentoring and career advising of students in the cohort
- College wide events focused on careers and jobs such as the biannual Tech Fest events held in February and September.
- Provide students with opportunities to work on hands-on projects and research activities that encourage them to stay connected with their majors



Nuts and Bolts

- All cohort students meet regularly as a group with faculty mentor and peer mentor from their respective program
- All cohort students maintain an online journal using Moodle with submissions required on a monthly basis – responses to prompts and additional information
- All faculty mentors maintain an online journal with submissions required once/semester
- Lead project faculty from GCC, COC and CSUN meet regularly to address gaps in articulation agreements and collaboratively develop curriculum to address gaps
- Monthly meetings of the entire team to review progress on key project measures and activities.
- Annual meeting with External Advisory Committee
- Bi-annual gathering of the cohorts at partner colleges to promote interaction



The Big Picture: Achievement Indicators

- Cohort participants achieved greater success compared to students in a comparable group
 - On average, cohort participants:
 - Completed 5.9 more ***units*** than students in the comparison group between Fall 2011 and Spring 2012
 - Earned a ***cumulative GPA*** of 3.03 vs. 2.38 for students in the comparison group at the end of Spring 2012 (includes Fall 2011 and Spring 2012)
 - Experienced a 96.7% ***persistence rate*** vs. 78.7% rate for the comparison group (Spring 2012-Fall 2012)



Key Findings

- Student Learning: Faculty research prepared students academically by presenting students with typical problems and solutions in the field and concepts in class
- Research, Skill Building and Career Readiness: Research competitions build career capital and practical skills marketable in career fields
- Student-Faculty Interaction: Overall, students reported meaningful, fulfilling interactions with supportive CSUN faculty
- Peer Mentoring: Peer tutors offered a learning support system



Congratulations Melissa Flores!

Greetings!



On behalf of the Alliance of HSI Educators Scholarship Committee, we are pleased to announce the recipients of the inaugural conference scholarship. We received over sixty applications from well-qualified students from HSIs across the country. Due to the high number of submissions, the committee elected to award two recipients per tier. As you can imagine, it was a very difficult decision!

Congratulations to each of the following outstanding students for a job very well done!

Tier # 1: conference travel, registration and iPad

Philip Joshua Mercado, Miami Dade College,
Biotechnology
Melissa Flores, CSU Northridge, Mechanical
Engineering & Math (double major)

Tier # 2: conference travel and registration

Julien Ekiaka-Oblazamengo, Texas A&M University,
Bilingual Education
Angelica Luna, University of Texas at Brownsville,
Business Administration

Tier # 3: iPad

Gabriela Solis, Loreda Community College, Biology
Edgar Munoz, College of the Sequoias, Biology

AHSIE | ALLIANCE OF HSI
EDUCATORS

5th Annual HSI/Title V Best Practices Conference 2013
And the Third Annual HSI Grantsmanship Institute

MARCH 11-13, 2013

Save the Date!

Come join us! The Alliance of Hispanic Serving Institutions Educators is proud to present the 5th Annual HSI/Title V Best Practices Conference and the third annual HSI Grantsmanship Institute.

*** Benefits:**

- * Share what we've learned with other HSIs
- * Learn more about what does and doesn't work for our students
- * Learn how to make our programs and grants more effective

*** Registration:**

- * Early Bird Registration deadline: February 1st, 2013
- * Online Registration begins October 1 at <http://ahsie.unm.edu>

*** Location:**

- * New Jersey City University (www.njcu.edu)

For More Information visit <http://ahsie.unm.edu> or contact:
Anita Brings - abringa@unm.edu or Jennifer Gomez-Chavez - jengomez@unm.edu



*Congratulations Leslie Pluma
College Bowl – HEENAC- Great Minds in STEM
Third Place Winner- Northrop Grumman*





HACU 27TH ANNUAL CONFERENCE

Championing Hispanic Higher Education Success: Securing the American Dream
October 26-28, 2013 • Hilton Chicago • Chicago, IL



Top undergraduate students from colleges and universities throughout the U.S. and Puerto Rico will be active participants at HACU's 27th Annual Conference in Chicago, IL, October 26-28, 2013. These students represent a wide range of academic disciplines. They arrive with resumes, eager to discuss career, internship, research and advanced education opportunities.

A limited number of scholarships are available to eligible students to attend the HACU conference. Student Track Scholarships will cover costs for: (1) conference registration; (2) travel and lodging for out-of-state students; (3) and conference-related meals (1 per day). Conference Scholarship recipients are required to attend ALL Student Track activities. Scholarships are provided to students by HACU's corporate and federal sponsors.

Congratulations
Stephanie Medina and
Noe Hernandez on
being selected
amongst the 20
recipients nationally!



CE Major



ECE Major



November 14, 2013: Maya Saad presenting her research on polymer coatings for biomedical sensors.





Emelita Academy Charter, December 5th





AIMS² Students are Leaders



Melissa Flores –
President ASME Student Chapter
2014



Eric Gamoning-
Secretary, IEEE-HKN
2014

Thank you on behalf of the AIMS² Cohorts
For more information please visit our project site at
www.ecs.csun.edu/aims2

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