



Welcome to the 9th annual AIMS²(HSI-STEM Grant) External Advisory Committee Meeting

HSI STEM Grant Program



1 2 PM - 2 PM
Jun 12, 2020



Disclaimer

- Supported by the AIMS² Program and funded by the United States Department of Education FY 2016 Title III, Part F, Hispanic-Serving Institutions (HSI) STEM and Articulation Program five-year grant, Award Number P031C160053, CFDA Number 84.031C.
- However, the contents of this presentation do not necessarily represent the policy of the US Department of Education, and you should not assume endorsement by the Federal Government.



AGENDA

- Welcome and Introductions – External Advisory Committee
- Program News and Year 4 Activities (CSUN) – Ramesh
- Glendale Community College – Chris Herwerth
- College of the Canyons – Amy Foote
- Moorpark College – Trevor Hess
- LA Pierce College – Elizabeth Cheung



Cohort Basics

- **Attend all scheduled meetings with designated faculty mentor**
- **Participate in peer mentoring program (Mandatory for students in Cohort 3 onwards)**
- **Enroll and complete a minimum of 24 units/year and pass all courses with grades of C or better**
- **All students eligible to receive bi-annual textbook awards of \$ 500 (at the end of fall/spring semesters) upon meeting requirements**
- **RA's and Tutors paid at \$ 15/hour. Peer Mentors paid \$ 17/hour.**



Major activities in AIMS² grant

Cohort 5 recruitment

- Mentoring (Faculty and Peer Mentoring)
- Undergraduate Research
- Tutoring
- Received list of all confirmed admits for fall 2020 (over 1,300)
- Cohort 5 restricted to Transfers (576)
- Initial sort shows 409 eligible to be invited (URM or Pell Eligible)
- Establish online application and email invitations by June 15 (done by June 5)
- Deadline for submission – July 15
- Notification – July 31
- Orientation – August 28



Highlights from Year 4

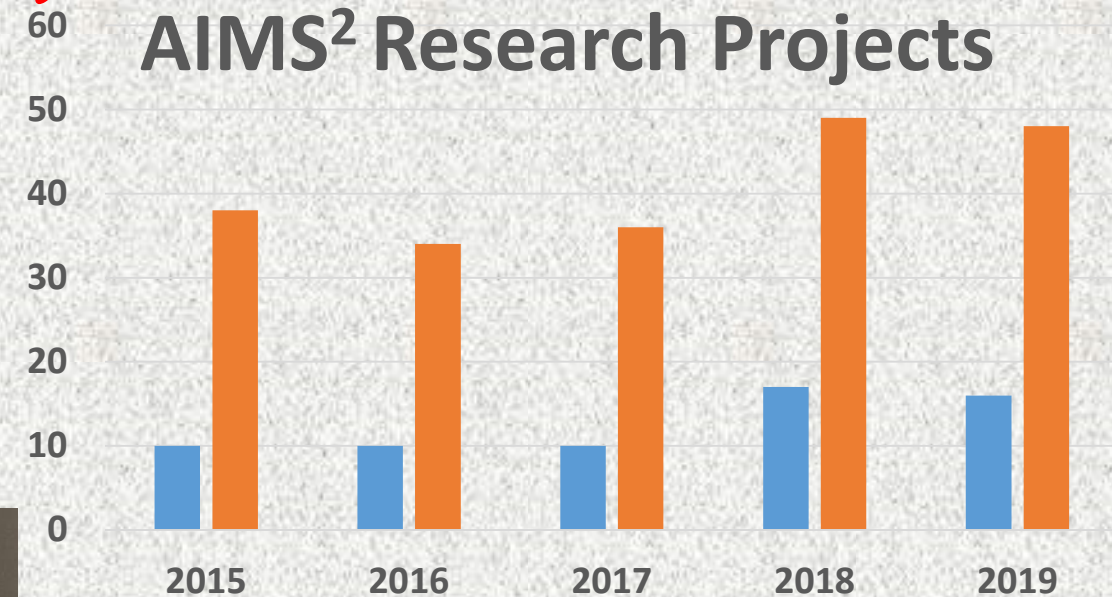
- Served a total of ~150 students at CSUN in 4 cohorts
- Fall workshop for incoming students
- Formal large group meetings for entire cohort (Orientation, Peer/Faculty Mentor Panels)
- Peer Mentor program completing second year with over 27 mentors including 5 alumni mentors
- 2019 Research Symposium – 48 students
- 2020 Summer Research Program – 4 Projects, 10 students, 100 % online



Research and Mentoring → Keys to student success



AIMS² Research Projects



■ Number of Projects ■ Students

- Number of projects – **63**
- Number of students – **205**
- Number of faculty – **57**
- Approximate # of hours of paid research – **37,000**





***What works for Latinos in Higher Education:
2019 Example of Excelencia in the Baccalaureate degree program category***



- **Increased persistence and completion** (3 Year Transfer Graduation rate of 70 % for transfers. Cohort Persistence rate of 86 %)
- **Increased completion of gateway courses** (67 % - 80% across partner institutions)
- **Increased Latino degree completion in CECS** (Tripled # of graduates from 57 to 171 in five years)
- **Fostered positive career outlook** (100 % of cohort students felt prepared compared to 63 % of other students.





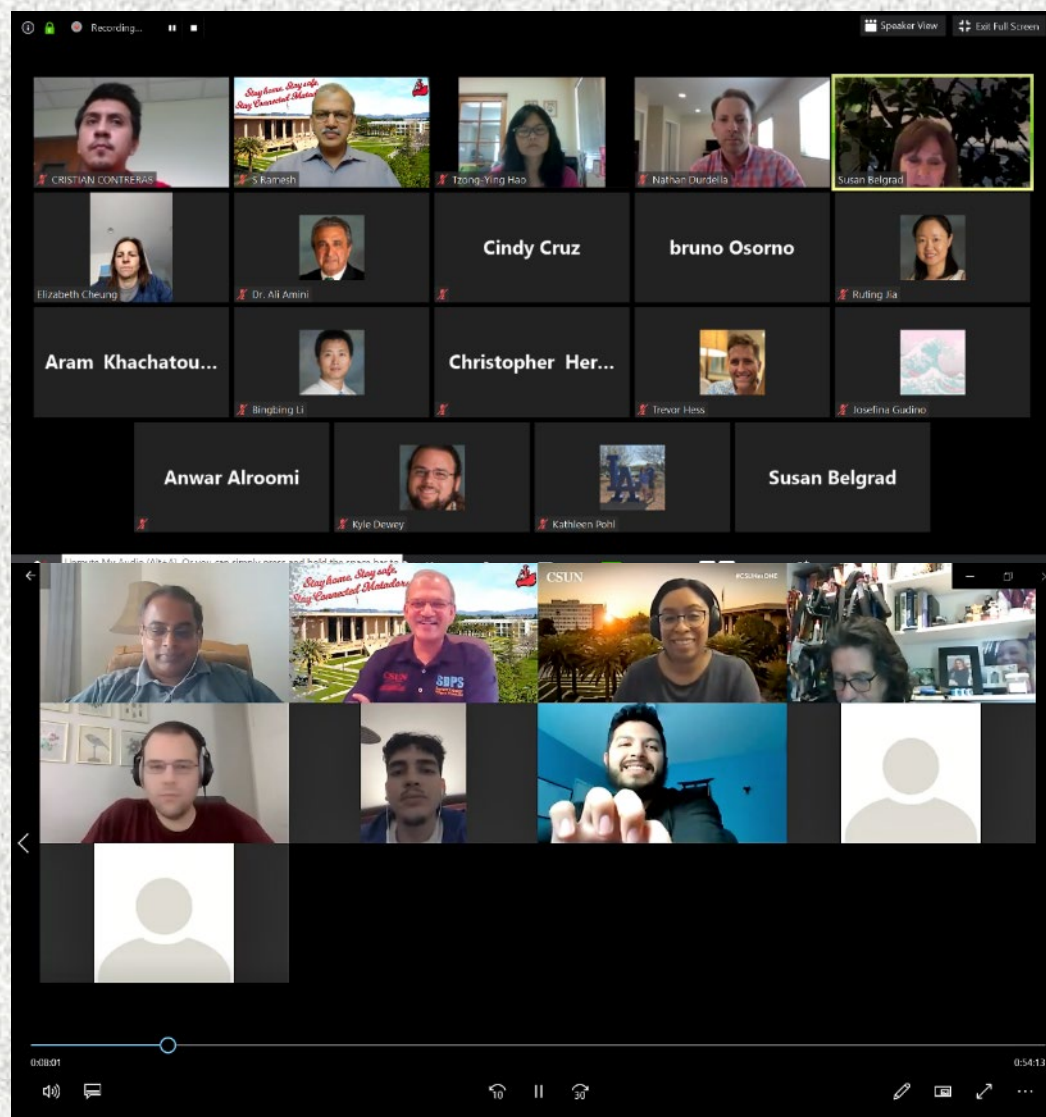
Think Globally- Act Locally



Faculty and students from AIMS² designed and delivered PPE for frontline personnel in the fight against COVID 19

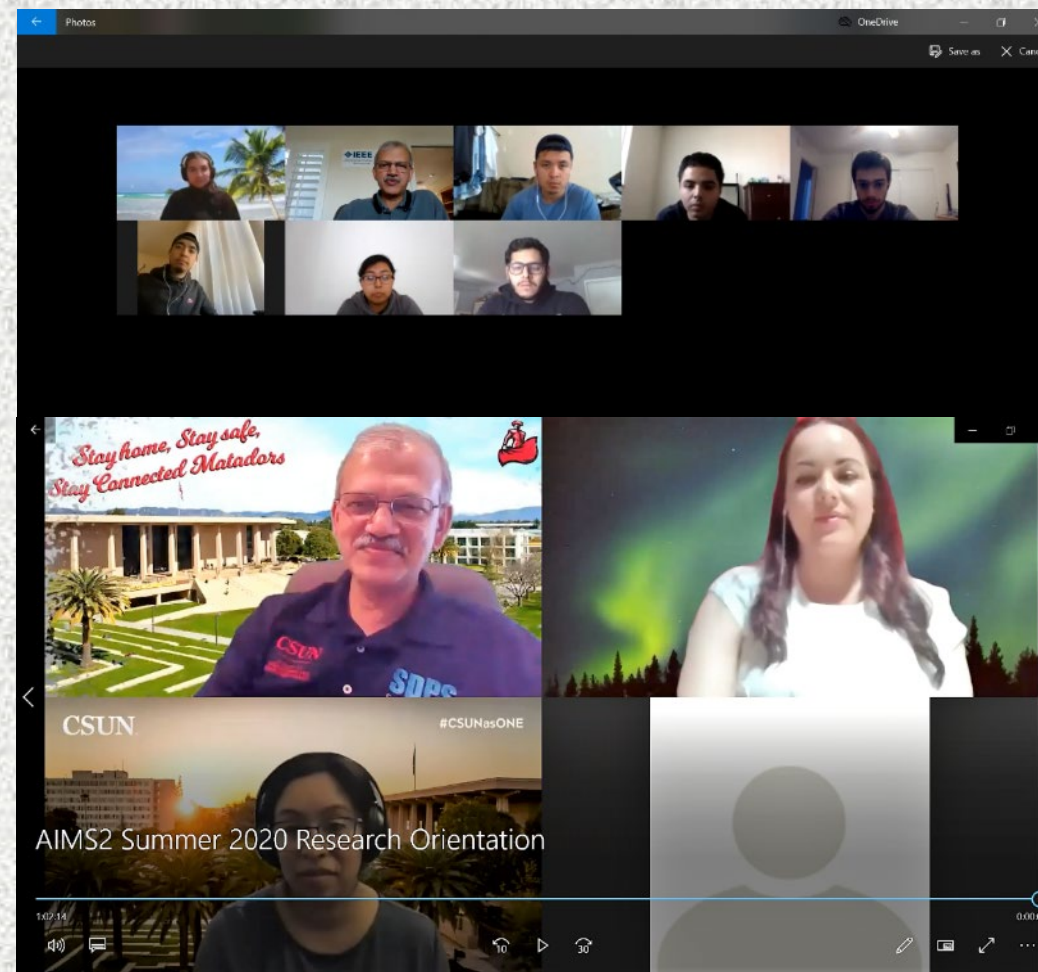


*Times have changed but the program
remains strong*



06/12/20

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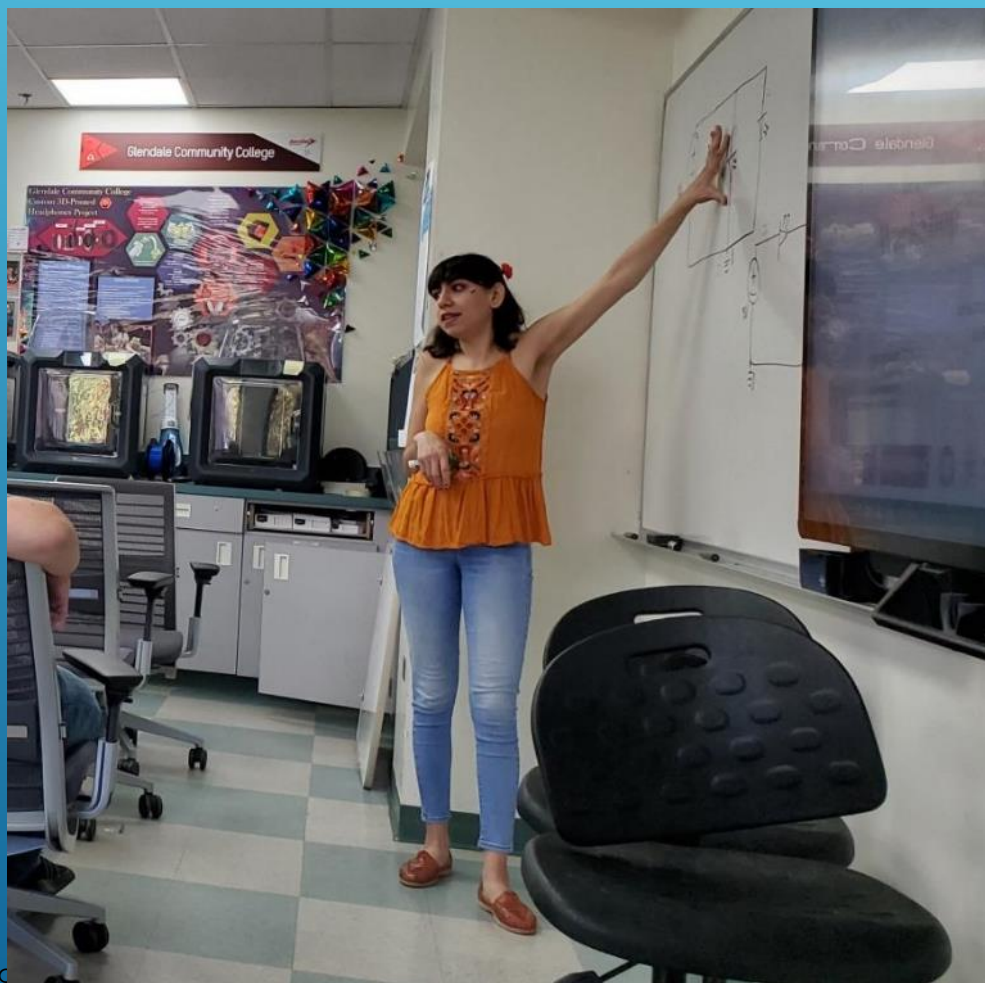


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GLENDALE COMMUNITY COLLEGE

AIMS² 2019 - 2020



Glendale College AIMS2

- Engagement throughout COVID-19 is dependent on faculty and counselor interaction with students
- Six AIMS students attended SHPE National conference in Phoenix AZ Fall 2019
- Two Academic Counselors attended SHPE National conference
- AIMS students designed, conducted and supervised STEM workshops, including Dios De La Muertos celebration in Glendale City Community
- Four AIMS students attended Society of Women Engineers (SWE) Fall 2019
- Three Faculty and Academic Counselors attended SWE conference Fall 2019
- NASA Aerospace Scholars program AIMS2 participants
- Internship and job application support to Underprepared students with Industry partners
- Curriculum development, full C-ID descriptor approval for all Engineering Model Curriculum courses
- Academic Counselor Development for career education and engineering support
- Several previous GCC AIMS2 students successfully progressing at CSUN; mentoring and AIMS2 participation
- Leveraged funds through GCC Foundation Grants
- AIMS2 helps Career Education and Engineering Advising for Underrepresented Students



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College of the Canyons

• Fall 2019

- **CSUN AIMS² Research Symposium** – 11 students in attendance
- **SHPE National Conference** – 12 students in attendance
- **Tutoring and Academic Excellence Workshops** for Math, Chemistry, Biology, Engineering, Physics and Computer Science courses.
- **Two Counselors** available 15 hours a week for students
- **Over 60 Professional Development Workshops** for students to attend.



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College of the Canyons

• Spring 2020

- Tutoring and Academic Excellence Workshops
- Counselling available online
- Over 30 Professional Development Workshops
- 58 Transfers/Graduates
- Avg. Transfer GPA 3.48 for Class of 2020
- Transferring 6 students to CSUN in Engineering and Comp. Sci.
- Internships/Research on hold due to COVID-19





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Moorpark College AIMS²

2019-2020 Highlights



MOORPARK
COLLEGE
Bridge to the Future!

- 20 students participated in the 2019-2020 academic year
- AIMS² students had direct access to a dedicated counselor and to engineering tutors, as well as support for internship attainment
- The counselor led bi-weekly meetings through March, which covered topics including
 - Academic success, transfer planning, post-graduate degrees, and professional organizations
 - Soft skills for engineers and tips for adding depth and breadth to overall engineering knowledge
 - Career exploration, resume writing, and interview skills

Moorpark College AIMS²

2019-2020 Highlights



MOORPARK
COLLEGE
Bridge to the Future!

4 AIMS² students participated in a Drone project

- All parts 3-D printed at Moorpark College; Electronics and controllers were all configured in house
- Objective: Environmental survey of temperature and humidity

7 AIMS² students took part in the VEX Robotics Competition

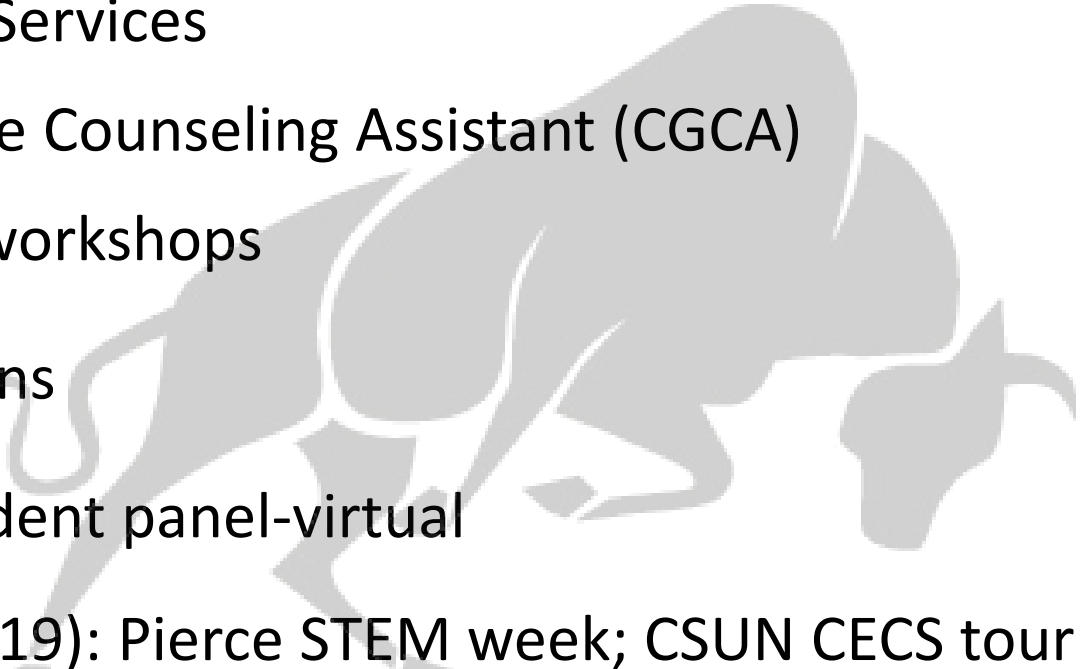
- Moorpark College's team won the Excellence Award,
- Qualified for the World's competition (which was cancelled due to COVID-19) and placed 2nd in regionals
- 10 of 20 took advantage of available scholarship funds
 - Merit-based: only students who participated in projects and biweekly meetings were eligible. All recipients were required to complete a W-9



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Pierce college

- STEM Tutoring: Physics, Statics, Engineering Graphics, Computer Science
 - STEM Counseling Services
 - Career Guidance Counseling Assistant (CGCA)
 - STEM transfer workshops
 - AIMS² presentations
 - STEM transfer student panel-virtual
 - Cancelled (COVID-19): Pierce STEM week; CSUN CECS tour
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AGENDA

- Project Evaluation and Progress to date – Nathan Durdella

<https://prezi.com/view/PhMOOcymHtsKbSMBgDBr.>

- Feedback and Discussion - External Advisory Committee
- Adjourn



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General questions for your consideration

1. What would you consider as the top three activities that are critical to the success of our program?
2. What is your assessment of our performance with reference to those activities? (based on a review of the meeting materials and presentations)
3. Are there any significant gaps that we need to address as we look ahead to the final year of the grant?



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- Adjourn



*For additional information
please visit www.ecs.csun.edu/aims2*



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