# Welcome to the 7<sup>th</sup> annual AIMS<sup>2</sup>(HSI-STEM Grant) External Advisory Committee Meeting





1 2 PM - 3 PM JD 1568 Jun 07, 2018



## Disclaimer

- •Supported by the <u>AIMS<sup>2</sup> Program</u> 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**

## Luncheon

- Welcome and Introductions External Advisory Committee
- Overview of grant
- Program News and Year 1 Activities (incl. CSUN) –
   Ramesh
- Glendale Community College TBD
- College of the Canyons Amy Foote
- Moorpark College Scarlet Relle
- LA Pierce College Elizabeth Cheung



# COLLEGE OF ENGINEERING AND

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# Project Web Site

www.ecs.csun.edu/aims2



- How many CSUN transfer students did we serve with the 2011 USDE grant?
- What was the percent of Hispanic students in the cohort?
- What was the average three year transfer graduation rate for Latino/a students in the cohort from CECS?
- What was the achievement gap (based on a 3 year transfer graduation rate) between better served and underserved students in CECS?

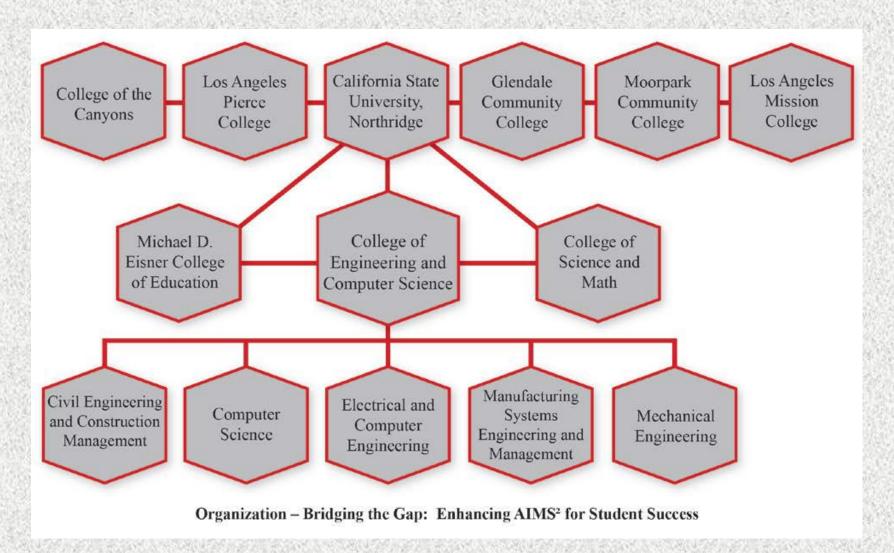


- •The number of students served in the seven CSUN cohorts = 138
- The number of Latino/a students in the cohorts = 67 (49 %)
- •The three year graduation rate for Latino/a students in the cohort= 47/67 (70%)
- •The average achievement gap has been more than <u>halved</u> since the inception of the grant

Three Year Transfer Graduation Rates								
Year	Latino/a	White	Difference	Ye	ear	Latino/a	White	Difference
Fall 11	36.6	43.5	-6.9	Fa	all 10	37.2	39.7	-2.5
Fall 12	29.5	32.4	-2.9	Fa	all 09	31.6	33.9	-2.3
Fall 13	43.3	42.3	1	Fa	all 08	22.9	47.5	-24.6
Fall 14	33.9	45.4	-11.5	Fa	all 07	20.6	40.7	-20.1
					4486			
	35.825	40.9	-5.075		1	28.075	40.45	-12.375









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The AIMS<sup>2</sup> Project - \$ 6 Million Grant from USDE (2016-21)
Attract, Inspire, Mentor, and Support Students



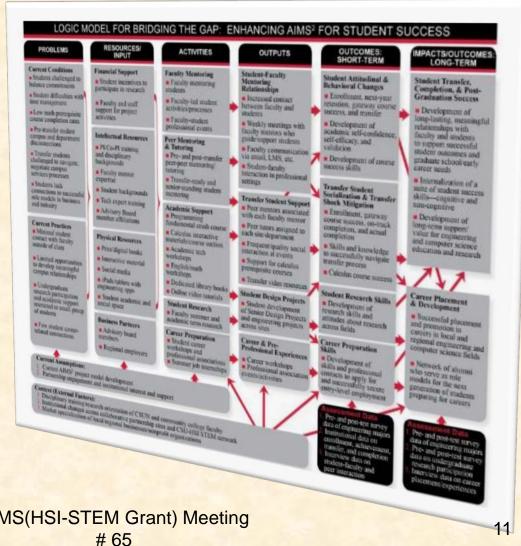
Faculty and Staff from CSUN and partner Colleges

## Received Year 2 Funding for \$ 1.19 Million



"Bridging the Gap: Enhancing the AIMS<sup>2</sup> Program for Student Success" - (2016-*2021*)

 Selected to receive funding under the HISPANIC-**SERVING INSTITUTIONS PROGRAM (STEM)** (84.031C). This grant was in the amount of \$1,199,483.00 for the first budget period (10/01/2016 through 09/30/2017). It is anticipated that the grant will be for a total of 5 year(s).





AIMS(HSI-STEM Grant) Meeting # 65



## Student Selection: CSUN

- To be eligible, STEM majors must be an individual who has faced or faces social, cultural educational or economic barriers to careers in STEM and be a US Citizen or Permanent Resident.
- Application including Essay and Interview
- Enroll and complete a minimum of 30 units/year and passing all courses with grades of C or better
- All students eligible to receive \$ 500 towards textbook awards every semester (fall/spring) upon meeting requirements
- Selected students eligible to participate in paid UG research activities (30-32/year)
- Tutors and Peer Mentors (Up to 10/year)



Column1	Year 1	Year 2	Year 3	Year 4	Year 5	Total funded over 5 Years
FTF	20	20	20	10	TO SHOULD BE SHOULD BE	
Running Totals	20	40	60	70	70	260
FTT	30	30	30	30		
Running Totals	30	60	60	60	30	240
Annual	50	100	120	130	100	500

- •Year 1 FTF cohort formed in spring 2017 (from FTF who entered in fall 2016)
- •Year 1 FTT cohort formed in Jul 2017 (from eligible continuing students on 2011 grant)
- •Year 2 FTF and Year 2 FTT cohorts formed in Aug-Sep 2017 (from FTF and FTT entering CSUN in fall 17)



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- Served a total of 90+ students at CSUN and over 100+ students at partner CC's
- Formal large group meetings for entire cohort (Orientation, Industry Panel, Resume writing workshop, Research Symposium)
- Launching Peer Mentoring program in partnership with Shearwater (Jul 1, 2018)



# Highlights from Year 2 (continued)

- Invited presentation at USDE Project Directors meeting (Nov 2017)
- Invited to present USDE's inaugural HSI-STEM webinar (Mar 2018)
- Faculty presentations at Moorpark seminar series (Spring 2018)
- Nominated for 2018 Excelencia award (Apr 2018)



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### Please join us for the

College of Engineering and Computer Science

### AIMS2 STUDENT RESEARCH SYMPOSIUM

Wednesday, October 4, 2017 3:30 - 6:30 p.m. USU Northridge Center California State University, Northridge 18111 Nordhoff Street Northridge, CA 91330-8295





# Activity Schedule for AIMS2 Skills Workshop (9.00a.m. to 3.00p.m. – except Friday)

Day	Topics Covered
Monday, June 19	Ice Breakers, Growth Mindset, Tour of Campus & Library, What is Engineering, Careers in Engineering, Resources at CSUN for student success
Tuesday, June 20	Soft skills to succeed in Engineering, Work Life Balance, LACI, Research Skills & Class Preparation Methods
Wednesday, June 21	Team Building Skills, Systems Thinking, Holistic Understanding of Engineering Projects, Ethics in Engineering
Thursday, June 22	Visit to JPL
Friday, June 23 (9.00a.m. to 1.00p.m. only)	Final Competition, How to stay connected during 2017-18 school year, Closing Remarks,
	Student Feedback collected on a daily basis

## Our First Time Freshmen had a lot of fun!





Images from June 2017 FTF Workshop

# **USDE Project Directors Meeting November 2017**



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#### AIMS<sup>2</sup> Panel Discussion "Perspectives from Industry Leaders"

Johnson Auditorium, October 13, 2017, 2 PM – 4 PM

#### **Agenda**

Welcome and introductions: Dr. S. K. Ramesh, Project Director and Lead Principal Investigator.

**Panelists** 

- Ms. Peggy Nelson, Vice-President, Northrop Grumman Aerospace Systems (retired)
- Ms. Marilee Wheaton, General Manager, Systems Engineering Division, The Aerospace Corporation
- Mr. Felix Rabinovich, Vice President, Advanced Technology Information Management System (ATIMS)
- Ms. Harjit Dhillon, Engineering Recruiter, Raytheon, Space & Airborne Systems (SAS)

Have you ever wondered about what it is like to work in industry?

Don't miss this panel discussion with industry experts who will share their unique perspectives with you. Here are some of the questions that they will be addressing:

What types of projects does your company work on?
What is a typical work day like?
What makes someone successful in your company?
What do you like best about your field/company?
What advice would you give a person seeking work in your industry?





#### AIMS<sup>2</sup> Resume Writing Workshop

Johnson Auditorium, Jacaranda Hall, Friday, December 8, 2017, 2 PM – 4 PM

#### Agenda

Welcome and introductions: Dr. S. K. Ramesh, Project Director and Lead Principal Investigator.

Dr. S. Jimmy Gandhi, Associate Professor, College of Engineering & Computer Science, AIMS<sup>2</sup> Faculty member and student advisor.

Dr. Susan Belgrad, Professor, College of Education, AIMS<sup>2</sup> Faculty member

Do you have your resume ready for applying for internships and jobs in the spring 2018 semester?

Don't miss this opportunity to attend a workshop and be able to spruce up your resumes for the job hunting season in spring 2018.

Here are some of the questions that will be discussed:

What does hunting for an internship or job entail?

What is the role and importance of a good resume in finding a job?

What makes a good resume?

What do you include in a resume? What kind of soft skills do employers look for?

How do you tie in volunteerism on your resume?

If you are just starting out, how do you make your resume look good?







OMPUTER SCIENCE

## USDE HSI-STEM Webinar March 2018

## Panelists

Ramesh



Amy



Scott



### **Contact Information:**

S. K. Ramesh s.ramesh@csun.edu

Amy Foote amy.foote@canyons.edu Scott Rubke srubke@Glendale.edu



## USDE Mar 2018 Webinar agenda

- Introduction Stacey Slijepcevic
- Overview of the AIMS<sup>2</sup> grant program Ramesh
- Perspectives from Glendale CC Scott Rubke
- Partnership with College of the Canyons

   – Amy
   Foote
- Student Outcomes and closing comments Ramesh
- Q & A and discussion with Panelists



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Fall 2017 Cohort	Performance Data				
Units completed Number of		Range of GPA's	Units expected to	Number of students who	Remarks/Exceptions
in Fall 17	successful students	of successful	completed in 17-18	did not meet	(GPA's of individual
	(GPA > 2 in fall 2017)	students		requirements (GPA < 2 in	students)
				fall 17)	
14 - 18	20	2.21 - 3.82	Over 30		
12 - 16	7	2.00 - 3.62	29		
12 - 15	12	2.26 - 4.00	28	2	1.61, 1.65
11 - 13	8	2.06 - 3.37	27		
10 - 14	7	2.28 - 3.63	26	1	1.75
9 - 15	4	2.62 - 3.469	25	1	1.67
10 - 14	4	2.31 - 3.56	24	3	0.74, 1.94, 1.94
8 - 13	2	2.29 - 2.89	23	2	1.62, 1.09
6 - 9			22	2	1.5, 1.71
6 - 13	3	3.15 - 3.93	21		
4 - 8	1	2.48	20	2	0.69, 1.29
14	1	3.08	Not enrolled for S18		Passed Math 102 F17
9	1	2.76	Not enrolled for S18		All GE in F 17. Failed
					Math 150 B
7 - 11			19	2	0.84, 1.38
8			18	1	1.31
3			16	1	0.3
2			8	1	0.45
1			4	1	1
W				1	W
	70			20	



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## **AGENDA**

## Student Performance (units passed) in fall 17

Units completed	Number of	Range of GPA's	
in Fall 17	successful students	of successful	
	(GPA > 2 in fall 2017)	students	
14 - 18	20	2.21 - 3.82	
12 - 16	7	2.00 - 3.62	
12 - 15	12	2.26 - 4.00	
11 - 13	8	2.06 - 3.37	
10 - 14	7	2.28 - 3.63	
9 - 15	4	2.62 - 3.469	
10 - 14	4	2.31 - 3.56	
8 - 13	2	2.29 - 2.89	
6 - 9			
6 - 13	3	3.15 - 3.93	
4 - 8	1	2.48	
14	1	3.08	
9	1	2.76	

Units completed	Number of students who	Remarks/Exceptions
in Fall 17	did not meet	(GPA's of individual
	requirements (GPA < 2 in	students)
	fall 17)	
12 - 15	2	1.61, 1.65
10 - 14	1	1.75
9 - 15	1	1.67
10 - 14	3	0.74, 1.94, 1.94
8 - 13	2	1.62, 1.09
6 - 9	2	1.5, 1.71
4 - 8	2	0.69, 1.29
7 - 11	2	0.84, 1.38
8	1	1.31
3	1	0.3
2	1	0.45
1	1	1
W	1	W





## Follow up Strategies

Units completed	Number of students who	Remarks/Exceptions	
in Fall 17	did not meet	(GPA's of individual	
	requirements (GPA < 2 in	students)	
	fall 17)		
12 - 15	2	1.61, 1.65	
10 - 14	1	1.75	
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4 - 8	2	0.69, 1.29	
7 - 11	2	0.84, 1.38	
8	1	1.31	
3	1	0.3	
2	1	0.45	
1	1	1	
W	1	W	

- All students received personal email from Stacey to meet with Cindy Cruz (graduation/retention specialist) to plan future coursework
- •Respective faculty mentors copied on email (and copies of fall 17 performance distributed at 01/25/18 meeting)
- •Very important Please monitor these students closely in spring18 and support them the best you can.



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AIMS<sup>2</sup> (HSI-STEM Grant) 2017-18 Mid-Year Progress Update

 Please report on the meetings with students in your assigned group. Provide specifics on each individual student, their progress, and challenges if any.  Please report on the status of your respective research projects. Provide specifics on the students involved (names), outcomes to date, and plans for spring 2018. For your reference the list of all your projects can be found online at <a href="https://www.ecs.csun.edu/aims2/research\_internships.html">https://www.ecs.csun.edu/aims2/research\_internships.html</a>

Name of Faculty Mentor Mid-Year Progress Update Fall 2017 12/18/17

Name of Faculty Mentor Mid-Year Progress Update Fall 2017 12/18/17







AIMS<sup>2</sup> – Bridging the Gap Student Success Record Current Semester:

Name:	Student ID#:
Major:	-
Academic Progress:	
Total number of units completed toward	the degree:
Number of units currently enrolled in:	Passing?(C or better)
Number of units planned for next semest	er:
Number of units left until graduation:	
Anticipated graduation date:	_
Project Participation:	
Weekly group meeting participation:	
1:1 Meeting with Faculty Mentor:	
Research:	
Tutoring:	
Advising:	
Mentoring:	
Peer Mentoring:	
All AIMS Meetings:	
□ Orientation □ Research Symposium	n □ Industry Panel
□ Resume Workshop □ Community Col	lege Field Trip
Student Signature Facult	ty Mentor Signature Date
Faculty Mentor printed name:	



## Changes to requirements for program participants

- Reduce number of units that students need to successfully complete in an academic year from 30 to 24 (students will still be able to use the summer semester to meet academic year total units)
- Student needs to earn an overall GPA of 2.0 (C average) and pass all courses\*

\*Passing Grades in individual courses may vary depending on the course



## Changes to requirements for program participants

- Subject to meeting the revised requirements and the other requirements in the contract students are now eligible to receive a bi-annual textbook award\*\*.
- \*\* Award # 1 (\$ 500) : Based on fall semester performance. Awarded prior to the beginning of the spring semester.
- Students who have successfully completed 12 units will receive the entire \$ 500 award
- Students who have successfully completed 9-11 units will receive a partial award of \$ 250 (and eligible to receive the remainder upon completion of academic year requirements)

Award # 2 (\$ 500): Based on meeting Academic Year requirements - Either at the end of the spring semester or summer semester as appropriate



## Undergraduate Research Participation

- Based on fall 17 student performance we had a total of 42 students who successfully completed 12 units or more with a GPA > 2.0
- Three students successfully completed 11 units each with GPA's of 3.29, 2.73, and 2.31 respectively
- Propose to extend invitations to these 45 students to participate in research projects (which would be approximately 50 % of the students in the cohort)



# Excelencia Nomination for 2018





## Over 280 programs honored since 2005

Sent: Friday, April 20, 2018 5:28 PM

Subject: Thanks for sharing Attract, Inspire, Mentor, and Support Students - The AIMS2

Program's story!

Thank you for submitting Attract, Inspire, Mentor, and Support Students - The AIMS2 Program's profile! We look forward to learning more about your program and how it accelerates Latino student success in California.

Your profile is now included in the Examples of Excelencia review and selection process. At this time Excelencia staff will review all submitted profiles and select a set of finalists. Finalists will be announced via our website and social media accounts in the fall. Profiles of the selected finalists will be sent to an external selection committee for review. This selection committee will select one program from each of the four categories to be recognized as the Examples of Excelencia.

If you have any questions, please do not hesitate to contact Andres Quintanilla, Program Manager, at Examples@EdExcelencia.org or 202-785-7350 x1104



## Meeting Calendar for Fall 2018

- Aug 16, 2018
- Sep 20, 2018
- Oct 18, 2018
- Nov 08, 2018
- Dec 13, 2018

Monthly meetings above are scheduled from 1 PM – 3 PM in JD 1568.

- \* AIMS<sup>2</sup> Orientation Aug 31, 2018 (ExL Commons) 2-4 PM
- \* Research Symposium Sep 11, 2018 (Grand Salon) 3-7 PM

### **About Shearwater**

#### **Over 50 partner institutions**



**Background**: Shearwater partners with institutions to deliver tech-enabled mentorship programs aimed at driving student success and persistence.

**Mission**: Shearwater believes that every student, regardless of means or origin, should have access to a caring and supportive mentor.

Founded in 2013 and

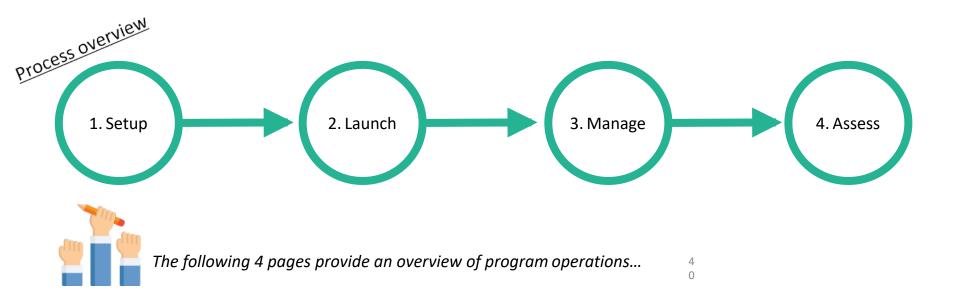


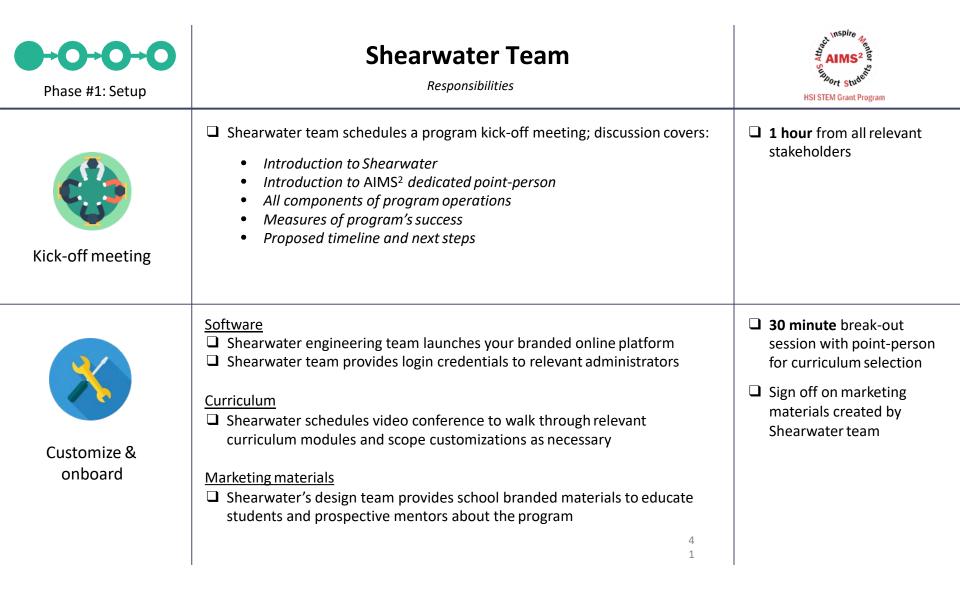
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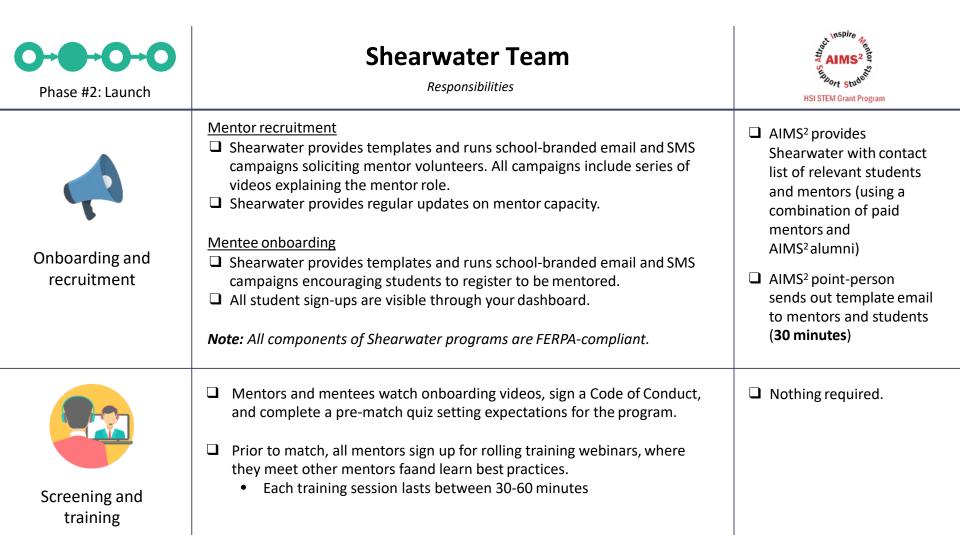
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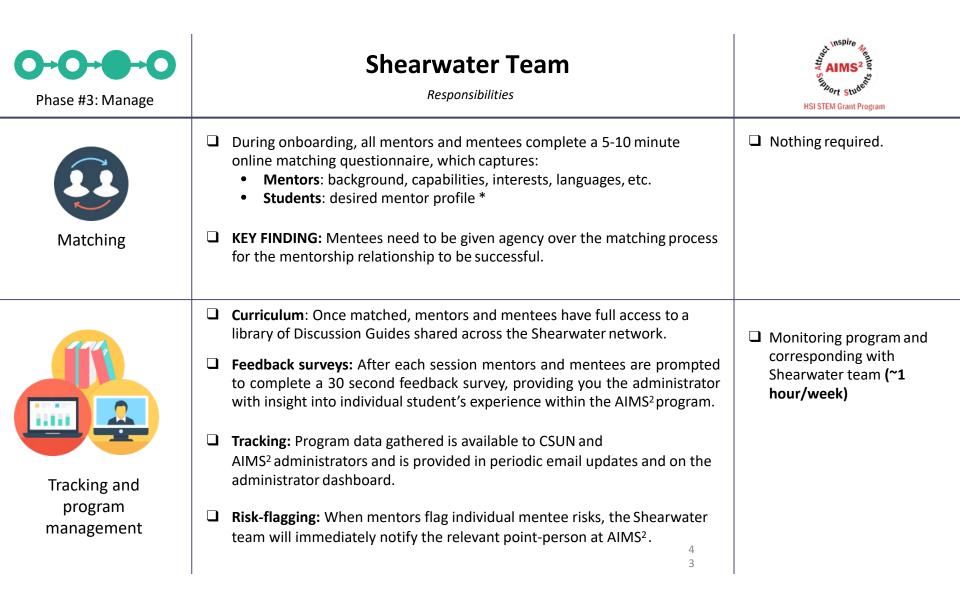
#### Overview

The AIMS<sup>2</sup> Program will partner with Shearwater, to deliver a mentoring program that fosters sense of belonging and increases retention and degree completion.











**Shearwater Team** 

AIMS<sup>2</sup>
AIMS<sup>2</sup>
Students
HSI STEM Grant Program

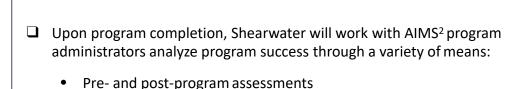
Responsibilities



- After 3-4 months of program operations, the Shearwater team may schedule an initial program review with relevant AIMS 2administrators.
- ☐ During the program review, the Shearwater team will share initial trends and engage AIMS² in a dialogue around program success.

#### Example data shared:

- What questions are students asking their mentor?
- What goals are mentors helping their students set?
- Quantitative data around students' acclimation over time



Evaluate and improve

program

- Holistic review of student feedback and engagement dataincorporating existing survey instruments used for evaluating outcomes for AIMS<sup>2</sup>
- Pending satisfactory program outcomes, Shearwater and AIMS<sup>2</sup>will discuss program improvements (e.g., new curriculum modules) and potential expansion opportunities.

Attend **1 hour** program review, either in person or via video conference.

☐ Coordinate meetings with Shearwater Partnership Success team as needed.

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#### California State University, Northridge Presents

# AIMS<sup>2</sup>

**Attract Inspire Mentor and Support Students Skills Workshop** 

July / August 2018
Freshmen Students Workshop Schedule

#### **Monday Tuesday** Wednesday 9:00 AM - 10:15 AM 9:00 AM - 9:30 AM **Final Competition Welcome Remarks** 10:15 AM - 10:30 AM 9:30 AM - 10:30 AM Students Present Their Project Ice Breakers 15-Minute Break Cards to the Sky Exercise 9:00 AM - 12:00 PM **Campus Tour:** 15-Minute Break **Including Library and** 10:45 AM - 11:00 AM Engineering Labs Competition Results Declared 11:00 AM - 11:15 AM Recap of Lessons Learned 10:45 AM - 12:15 PM What Is Engineering? Careers in Engineering? 11:15 AM - 12:00 PM Entrepreneurial Minded Learning 12:00 PM - 12:15 PM How To Stay Connected In Year 12:00 PM - 1:00 PM Lunch 12:15 PM - 1:15 PM 12:15 PM - 1:00 PM Lunch Lunch/Survey 1:00 PM - 2:00 PM 1:15 PM - 2:00 PM 1:00 PM - 2:15 PM **Focus Groups Growth Mindset Team Building Skills** 15-Minute Break 2:00 PM - 3:30 PM Resources At CSUN 2:30 PM - 3:30 PM **Engineering Ethics** 3:30 PM - 4:00 PM 3:30 PM - 4:00 PM Closing Remarks for Day 2 Closing Remarks for Day 1 AIMS(H#iffififi@out Sulveying # 65 **Filling Out Surveys**

#### **California State University, Northridge Presents**



### Attract Inspire Mentor and Support Students Skills Workshop July / August 2018

#### **Transfer Students Workshop Schedule**

Thursday	Friday
9:00 AM – 9:30 AM Welcome Remarks	20244
9:30 AM – 10:15 Expectations When Transferring From Community College To CSUN (Interactive Activity)	9:00 AM – 10:15 AM Resources Workshop
15 Minute Break	15 Minute Break
10:30 AM – 11:45 AM	10:30 AM – 11:15 AM Understanding Senior Design Projects
Team Building Skills	11:15 AM – 12:00 PM Understanding Your DPR
11:45 AM – 12:45 PM Lunch	12:00 PM – 1:00 PM Lunch
1:00 PM – 4:00 PM Campus Lab Tour	1:00 PM – 1:45 PM Requirements After Transferring (Majors/GE)
	1:45 PM – 2:00 PM Surveys
	2:00 PM – 3:00 PM Breakout To Plan Fall Course Schedule
	3:00 PM – 4:00 PM Focus Groups





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- Project Evaluation and Progress to date Nathan Durdella
- Feedback and Discussion External Advisory Committee
- Adjourn



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