

## STEM Advisory Committee Meeting

11-19-08 AD206 10:00-11:15am

Present: Diana Gill, Lan Hao, Kim Holland, Irene Malmgren, Jim McClain, Ivon McCraven, Eric Rabitoy, Sylvia Smythe

**Grant Review:** This is a developmental grant. One of our first goals is to divide tasks.

3 main components of the grant as listed in the abstract are:

- (1) Broadening access to Citrus through community outreach and high school bridge programs
- (2) Providing a seamless, fully-articulated and supportive pathway to baccalaureate degree completion in STEM fields
- (3) Evaluating and sustaining the degree pathway

We are considering Western Research and Development and the Lumina Foundation as our outside evaluators.

The goals are to increase enrollment in Hispanic & other underrepresented students in STEM majors & increase transfer rates in STEM fields.

The measurable outcomes are:

- (1) To increase the number of Citrus students who are identified early as potential STEM majors
- (2) To establish a dual enrollment option for seamless transition from high school to Citrus and from Citrus to our partners
- (3) To increase the number of Hispanic students who are in articulated curriculum in STEM fields
- (4) To increase the number of Hispanic students who complete all pathway preparation on schedule in STEM fields
- (5) To increase the number of Hispanic Citrus students who transfer to CSUF/UCR as STEM majors

Some of the planned activities have changed because of the change in award amount. The activities currently planned are:

Parent Nights

STEM Week (planned for the summer)

(taking out MAST)

PAGE (pre-algebra, algebra & geometry enrichment)

Ambassadors

Early Decision

Articulate with high schools

Increase the pool of STEM program students

Connect with community and industry partners

POWER Math (with intention to increase outreach to high schools for more students)

Question – Is it possible to guarantee registration in a math course for students who do a summer math program?

Answer – A possibility is to reduce the seat counts to make room for these students, then open up the seats. Or solicit faculty to agree to add one or two over cap.

Question – Is there a policy here that says you can't retest in math?

Answer – The rule is you would have to see a counselor.

We will keep and expand the Power Math Bridge program.  
The math team along with Jim McClain and Ivon McCraven  
will be getting together to go over these ideas & issues.

Learning Communities – we have a STEM learning community for fall – BIO 105 and READ 099

STEM paths

STEM success center (one of our focuses for year 1)

New associate degrees in physics & chemistry

Summer Research Opportunity W.I.L.D. with San Gabriel Valley Conservancy

(taking out CSUF Summer Research)

Transfer/counseling assistance (minus the UCR summer institute)

Tutoring, mentoring

Student support basic skills (will continue to fund this through Basic Skills for year 1 of the STEM Grant)

Faculty development

Articulation workshops (not sure whether we will keep this)

Question -will we participate in the USC benchmarking project – faculty inquiry?

Answer - we would need maybe an adjunct that could be in charge of this piece, but there is concern whether faculty will have the time to be involved in this.

Technology upgrade

A summary of how the activities fit within the 3 identified components are:

<b><u>OUTREACH</u></b>	<b><u>PATHWAY</u></b>	<b><u>EVALUATION</u></b>
Network	New degrees	Lan & team
Ambassadors	Success Center	WRD
Parent Night	Technology upgrade	USC benchmarking?
Open House	Articulation	
STEM Week	Learning Communities	
PAGE/GATE	Tutoring	
	Partners	
	Science equipment	
	CTE	
	Power Math	
	Transfer coaches	

Comment: Assessment is a job of the whole group.

**PROJECT TEAMS:** There will be 9 Project Teams with a head for each team. The teams are as follows: Outreach, Math, Science, Transfer/Counseling, Techs, Personnel, Citrus Network, Career/Technical Education, & Research

For the Science Project Coordinator, we want a 12 month position, which can be either a non-tenure tract faculty or management.

**BUDGET:** The original budget was for \$2,500,000 for the first year - we were awarded \$1,522,000. The budget is being reworked to accommodate the difference in awarded amount.

**BLACKBOARD:** We have a Blackboard site which already has information uploaded. We will be utilizing the discussion board as a channel of communication.

**STEM LOGO:** There were 7 Citrus Connect Logos for consideration. The favorites for the majority were #7, and #5 with a few changes.

**The meeting adjourned at 11:20.**