

Campus Stem Initiative; THE PIPELINE PROJECT						
Topic Area	Two Year objectives:	Action Plans	Expected Outcome	Responsible Party	Resource Implications	Five Year objectives:
For the Students: Demographics, Diversity and the STEM Pipeline	Increase <u>number of graduates</u> in "high-demand" STEM fields	(1) Create (pilot) one new program for first generation college students interested in the STEM disciplines (i.e., Summer Bridge, Early Warning and or Intervention Program); coordinate with Student Affairs; (2) consider wellness (CLS, Kinesiology) as high demand STEM areas	Enhanced K-14 pipeline by 5% over 2009	STEM task force (formed spring 2009)	Create self-support extended education programs and continue LSAMP program	Increase the number of under-represented students
For the University : Create structure and Awareness	Become a <u>CSU leader</u> in teaching scientific literacy	(1) Support specific STEM teacher training courses; (2) Support higher levels of student engagement in research; (3) Plan initiative to increase awareness and recognition of the need for quality math and STEM education; (4) Review academic master plan for STEM offerings in minors and majors, include wellness.	(1) Database of opportunities for teachers to do summer research; (2) A 'Science Across the Curriculum' program has been considered (Integrative STEM Education Plan	Dean of Faculty & Assoc Dean of Edu.plus stakeholders (STEM group)	Allocation of faculty time.	Follow-up; enhance teacher training in the STEM disciplines
Outreach: Community Responsiveness and Institutional Positioning	Create a Science <u>Education Community</u>	(1) Strengthen relations with community college partners, (2) Investigate NOYCE funding for increasing the number of STEM teachers, (3) strengthen EAP partnerships and P-16	(1) NOYCE proposal is submitted, (2) CSUCI will play a key role in shaping a K-16 STEM Education vision	Assoc Dean of Edu & STEM Faculty	Allocation of faculty time.	(1) Increase number of teachers in the STEM disciplines; (2) Expand STEM outreach to a broader K-12 community

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Continue to expand partnerships with K-12 focused upon readiness for college-level work, especially among students of color and recent immigrants.	Number of students served increases by 5%		Receive funding (HIS, federal and state programs)
(1) Create a professional development model aimed at strengthening the classroom practice and content knowledge of teachers of STEM; (2) Strengthen community college partnerships for training workforce (STEM); 2+2 and 2+1 integrated programs	Identify, disseminate, and support promising practices in K-12 STEM teaching	Dean of Faculty and Assoc Dean of Education	Allocation of Faculty time
Continue to hold stakeholder meetings and offer summer STEM programs/ Meet with community college partners (Pipeline and joint programs (i.e., 2+2 STEM program?))	(1) A regional STEM outreach program is created, (2) Increase in the numbers of STEM majors by 5%	Dean of Faculty and Assoc Dean of Education	Outreach programs require funding